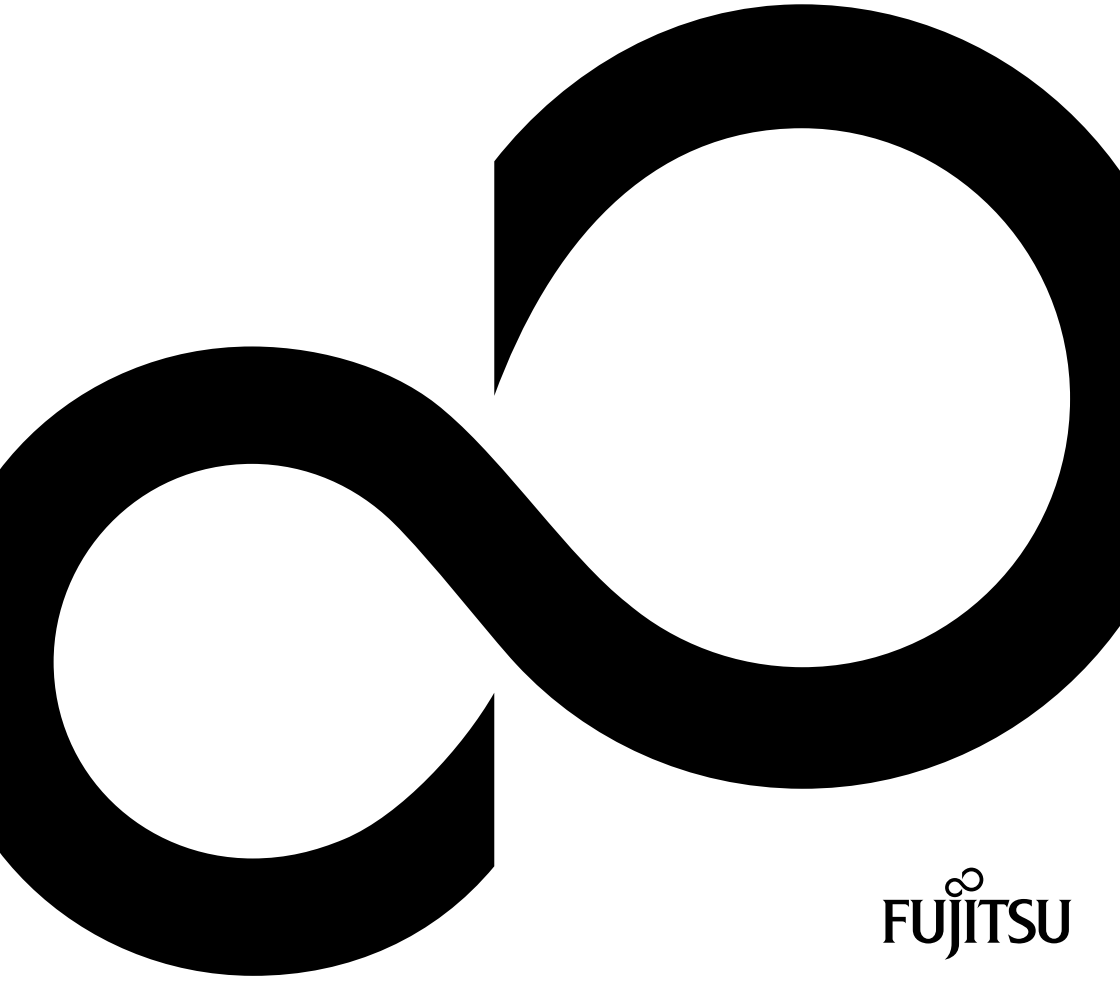
FUJITSU Tablet STYLISTIC Q736



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Should you have any technical questions, please contact:

- our Hotline/Service Desk (see the Service Desk list or visit: "http://support.ts.fujitsu.com/contact/servicedesk")
- Your sales partner
- Your sales office

We hope you enjoy working with your new Fujitsu system!

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FUJITSU Tablet STYLISTIC Q736

Operating manual

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Innovative technology

... and ergonomic design make your device a reliable and convenient companion.

The device boots very quickly, is ready for immediate use and offers a particularly long operating time because of its high capacity battery.

The user-friendly "BIOS Setup Utility" offers powerful password protection functions which can be used to control your Tablet PC's hardware and protect your system better against unauthorised use.

Information on the connections and controls for your Tablet PC can be found in chapter "Ports and controls", Page 9.

Further information

The Windows drivers for your device can be found on our Internet site. The factory installation of your device does not support any other operating system. Fujitsu Technology Solutions accepts no liability whatsoever if any other operating system is used.

Software oriented components of these instructions refer to Microsoft products, if they come within the scope of the delivery.

If you install other software products, pay attention to the operating instructions of the manufacturer.

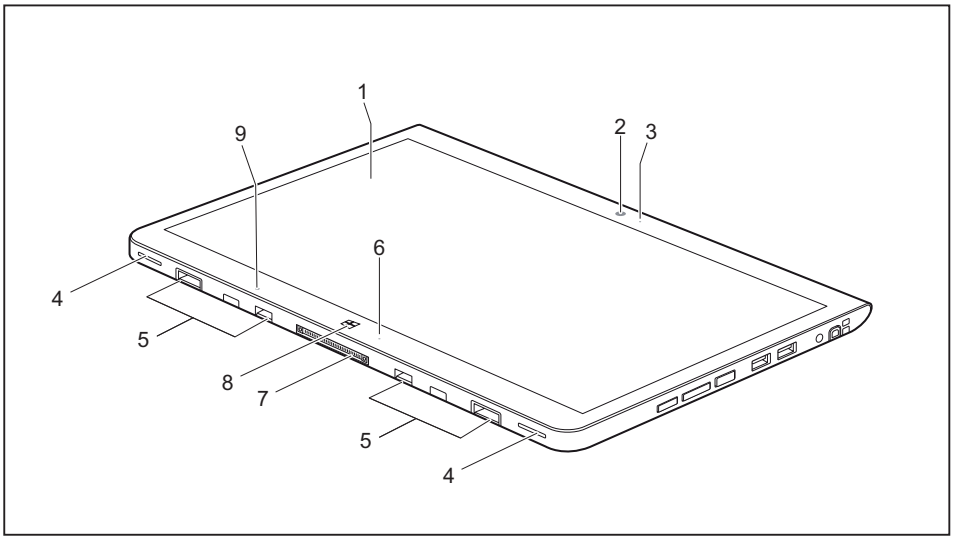
Notational conventions

	Pay particular attention to text marked with this symbol. Failure to observe these warnings could pose a risk to health, damage the device or lead to loss of data. The warranty will be invalidated if the device becomes defective through failure to observe these warnings.
	Indicates important information for the proper use of the device.
►	Indicates an activity that must be performed
↳	Indicates a result
`This font`	indicates data entered using the keyboard in a program dialogue or at the command line, e.g. your password (**`Name123`**) or a command used to start a program (**`start.exe`**)
`This font`	indicates information that is displayed on the screen by a program, e.g.: `Installation is complete.`
This font	indicates • terms and texts used in a software interface, e.g.: Click on *Save* • names of programs or files, e.g. *Windows* or *setup.exe*.
"This font"	indicates • cross-references to another section, e.g. "Safety information" • cross-references to an external source, e.g. a web address: For more information, go to "http://www.fujitsu.com/fts/" • Names of CDs, DVDs and titles or designations for other materials, e.g.: "CD/DVD Drivers & Utilities" or "Safety/Regulations" manual
Key	indicates a key on the keyboard, e.g: F10
This font	indicates terms and texts that are emphasised or highlighted, e.g.: **Do not switch off the device**

Ports and controls

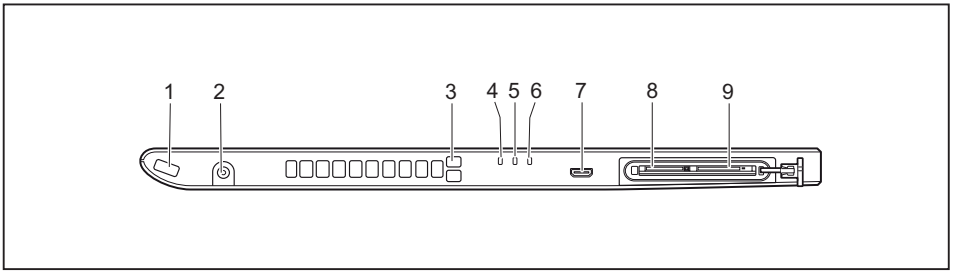
This chapter presents the individual hardware components of your device. It gives you an overview of the device's indicators and connections. Please familiarise yourself with these components before you start to work with the device.

Front



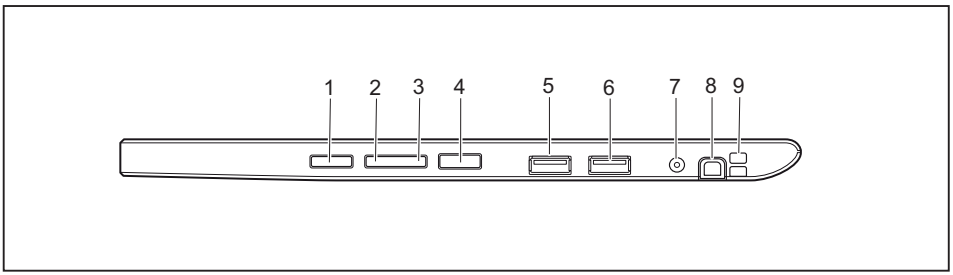
1 = Touchscreen
2 = Camera
3 = Camera LED
4 = Loudspeaker
5 = Mechanical fixture for keyboard dock/cradle
6 = Power-on indicator
7 = Docking port
8 = Windows button
9 = Ambient light sensor

Left side



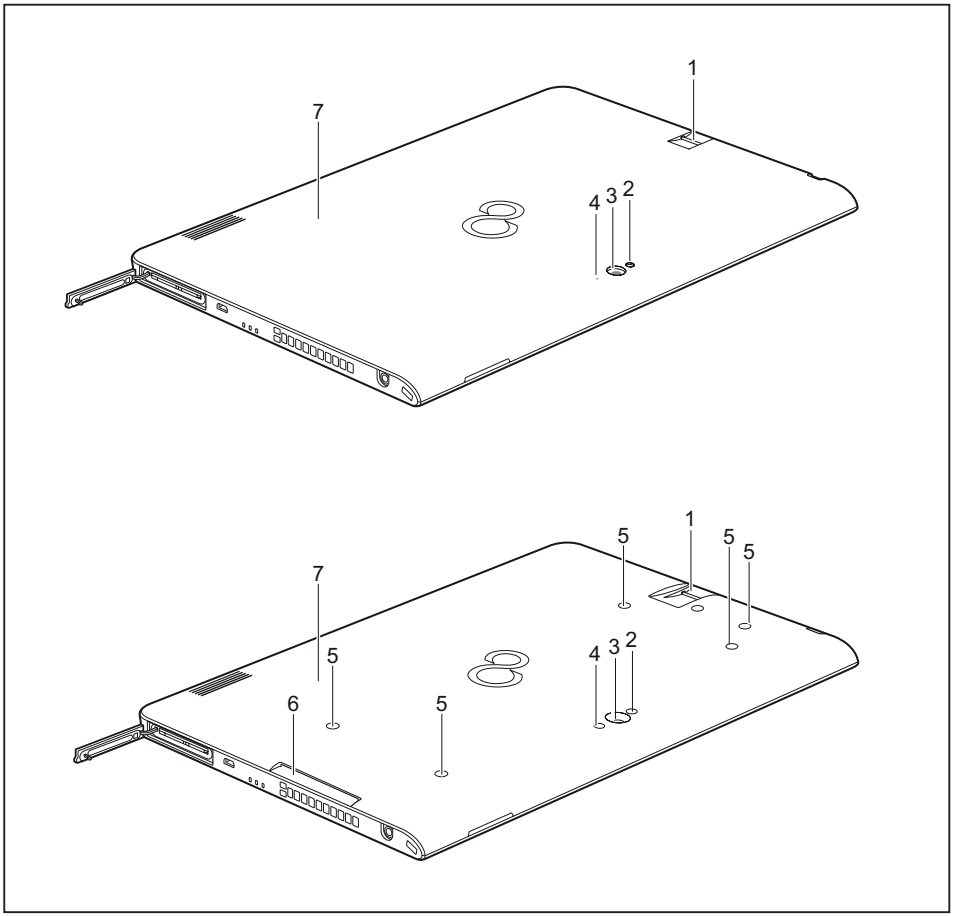
1 = Security Lock device
2 = DC input connector (DC IN)
3 = Eyelet for optional pen tether
4 = Power-on indicator
5 = Battery charging indicator
6 = Wireless components indicator
7 = Micro HDMI port
8 = Memory card slot (protected by cover)
9 = SIM card slot (protected by cover)

Right side



1 = Shortcut button
2 = Volume down button
3 = Volume up button
4 = ON/OFF button
5 = USB port (USB 2.0)
6 = USB port (USB 3.0)
7 = Combined headphone and microphone port
8 = Pen slot
9 = Eyelet for optional pen tether

Rear (2 variants: without screw holes or with screw holes and SmartCard reader)



1 = Fingerprint sensor (dependent on configuration)
2 = Camera light
3 = Camera
4 = Camera LED
5 = Screw holes (dependent on configuration) for securing accessories
6 = SmartCard reader (dependent on configuration)
7 = NFC (Near Field Communication) (dependent on configuration)

Important notes

This chapter contains essential safety information which must be followed when working with your Tablet PC. The other notes provide useful information on your Tablet PC.

Safety notes

Please follow the safety notes provided in the "Safety/Regulations" manual as well as the safety notes given below.

Please pay special attention to the sections in the manual marked with the symbol on the left.

When connecting and disconnecting cables, observe the relevant notes in this operating manual.

Read the information on the ambient conditions in the "Technical data", Page 85 chapter and the information in the "First-time setup of your device", Page 16 chapter before preparing your Tablet PC for use and switching it on for the first time.

When cleaning the device, please observe the relevant notes in the section "Cleaning the Tablet PC", Page 15.

Pay attention to the additional safety notes for devices with wireless components provided in the "Safety/Regulations" manual.

This Tablet PC complies with the relevant safety regulations for data processing equipment. If you have questions as to whether you can set up the Tablet PC in the intended environment, please contact your sales point or our hotline/help desk.

Additional safety notes for devices with wireless components

If a wireless component (Wireless LAN/ Bluetooth, UMTS/LTE) is integrated in your Tablet PC, you must be sure to observe the following safety precautions when using your Tablet PC:

- Switch off the wireless components when you are in an aircraft or driving in a car.
- Switch off the wireless components when you are in a hospital, an operating room or near a medical electronics system. The transmitted radio waves can impair the operation of medical devices.
- Switch off the wireless components when you let the device get near flammable gases or into hazardous environments (e.g. petrol station, paintshops), as the transmitted radio waves can cause an explosion or a fire.

For information on how to switch wireless components on and off, see chapter "Switching the wireless components on and off", Page 34.

Protecting the display screen

Do not pour liquids on the device or wash it with a heavily soaked cloth. Do not place items on the top of the screen, or damage may occur.

During normal use of the device, small particles from the environment can become embedded in the pen tip and scratch the screen. The warranty does not cover a scratched screen.

Energy saving

If you will not be using your Tablet PC, switch it off. Switch off any connected external devices when they are not in use. If you use the energy saving functions, the Tablet PC uses less power. You will then be able to work for longer before having to recharge the battery.

Power efficiency is increased and environmental pollution reduced. You save money and help protect the environment.

Energy saving under Windows

► Make use of the power management features (see "'Using the power-management features", Page 31").

Travelling with your Tablet PC

Please observe the points listed below when travelling with your Tablet PC.

Before you travel

- ► Back up important data stored on your hard disk.
- ► Switch off the wireless component for data security reasons. With data traffic via a wireless connection, it is also possible for unauthorised third parties to receive data.

Information on activating data encryption is provided in the documentation for your wireless component.

- ► If you wish to use your Tablet PC during a flight, check with the airline whether this is allowed.

When travelling in other countries

- ► If you are travelling abroad, check that the mains adapter can be operated with the local mains voltage. If this is not the case, obtain the appropriate mains adapter for your Tablet PC. Do not use any other voltage converter!
- ► Check whether the local mains voltage and the power cable are compatible. If this is not the case, buy a power cable that matches the local conditions.
- ► Enquire with the corresponding government office of the country you will be travelling in as to whether you may operate the wireless component integrated in your Tablet PC there (also see "CE marking", Page 92).

Transporting the Tablet PC

Protect the Tablet PC from severe shocks and extreme temperatures (e.g., direct sunlight in a car).

- ► Switch off the Tablet PC.
- ► Unplug the mains adapter and all external devices from the power socket.
- ► Disconnect the mains adapter cable and the data cables for all external devices.
- ► To protect against damaging jolts and bumps, use a Tablet PC carrying case to transport your Tablet PC.

Cleaning the Tablet PC

Do not clean any interior parts yourself; leave this job to a service technician.

Only use cleaning products designed for computers. Normal household cleaners and polishes can damage the markings on the keyboard and the Tablet, the paintwork or the Tablet PC itself.

Please ensure that no liquid enters the Tablet PC.

The touchscreen is very sensitive to scratches! Only clean the display surface with a very soft, slightly damp cloth.

► Switch the Tablet PC off.

↳ The casing surfaces may be cleaned with a dry cloth. If particularly dirty, use a damp cloth that has been dipped in water mixed with mild domestic detergent and then carefully wrung out.

First-time setup of your device

Please read the chapter "Important notes", Page 12.

If your device is equipped with a Windows operating system, the necessary hardware drivers and supplied software are already pre-installed.

Before you switch on the device for the first time, connect it to the mains voltage using the mains adapter, see "Mains adapter connecting", Page 17. The mains adapter must be connected during the entire installation process.

A system test is performed when your device is first switched on. Various messages can appear. The display may remain dark for a short time or may flicker.

Please follow the instructions on the screen.

NEVER switch off your device during the first-time setup process.

The battery must be charged if you want to operate your device using the battery.

When used on the move, the built-in battery provides the device with the necessary power. You can increase the operating time by using the available energy-saving functions.

For instructions on how to connect external devices (e.g. mouse, printer) to your Tablet PC, please refer to the operating manual for your device.

Unpacking and checking the device

Should you discover any damage that occurred during transportation, notify your local sales outlet immediately!

- ► Unpack all the individual parts.
- ► Check your device for any visible damage which may have occurred during transportation.

You may need the packaging in the future, if you need to transport your device.

Selecting a location

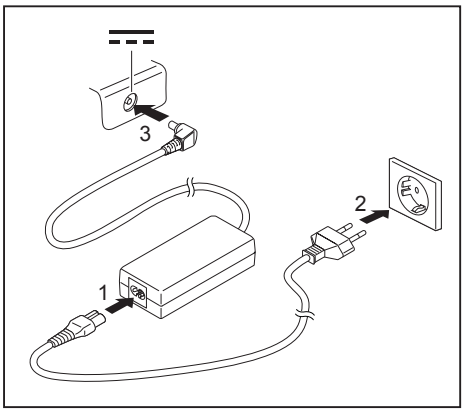
Select a suitable location for the device before setting it up. Follow the instructions below when doing so:

- Never place the device or the mains adapter on a heat-sensitive surface. The surface could be damaged as a result.
- Never place the device on a soft surface (e.g. carpeting, upholstered furniture, bed). This can result in damage caused by overheating.
- The underside of the device heats up during normal operation. Prolonged contact with the skin may become unpleasant or even result in burns.
- Place the device on a stable, flat, non-slippery surface. Please note that the rubber feet of the device may mark certain types of delicate surfaces.
- Keep other objects at least 100 mm / 3.97" away from the device and its mains adapter to ensure adequate ventilation.
- Do not expose the device to extreme environmental conditions. Protect the device against dust, moisture and heat.

Mains adapter connecting

Observe the safety notes in the enclosed "Safety/Regulations" manual.

The supplied power cable conforms to the requirements of the country in which you purchased your device. Make sure that the power cable is approved for use in the country in which you intend to use it.



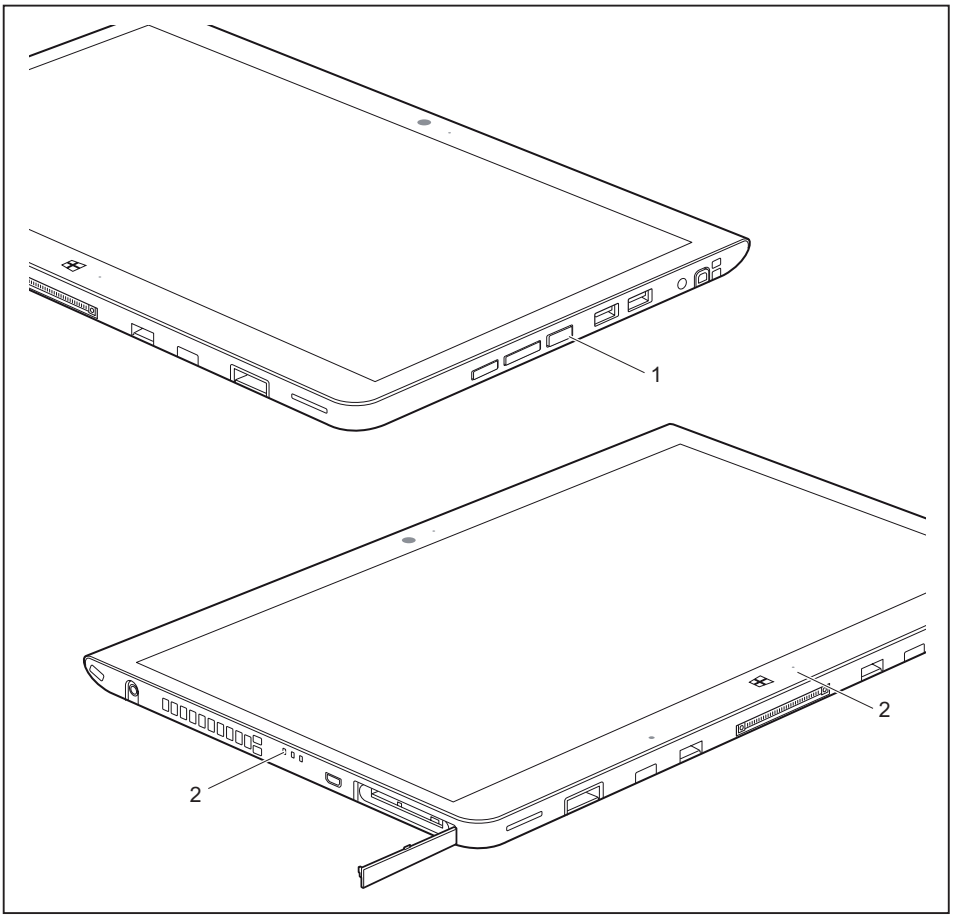
- ► Connect the power cable (1) to the mains adapter.
- ► Plug the mains cable (2) into a mains outlet.
- ► Connect the mains adapter cable (3) to the DC jack (DC IN) of the device.

Switching on the device for the first time

When you switch on the device for the first time, the supplied software is installed and configured. Because this procedure must not be interrupted, you should set aside enough time for it to be fully completed and connect the device to the mains using the mains adapter.

During the installation process, DO NOT restart the device unless you are requested to do so!

To make it easier to use your device for the first time, the operating system is pre-installed on the hard disk.



► Press the ON/OFF button (1) for about one second to switch the device on.

↳ The power-on indicators (2) light up whenever the system is switched on.

► During installation, follow the instructions on screen.

If a Windows operating system is installed on your device, you will find more information on the system and drivers, help programmes, updates, manuals etc. on the device. This information can also be found on the Internet at "http://www.fujitsu.com/fts/support/".

You can find information and help on the Windows operating system functions on the Internet at "http://windows.microsoft.com".

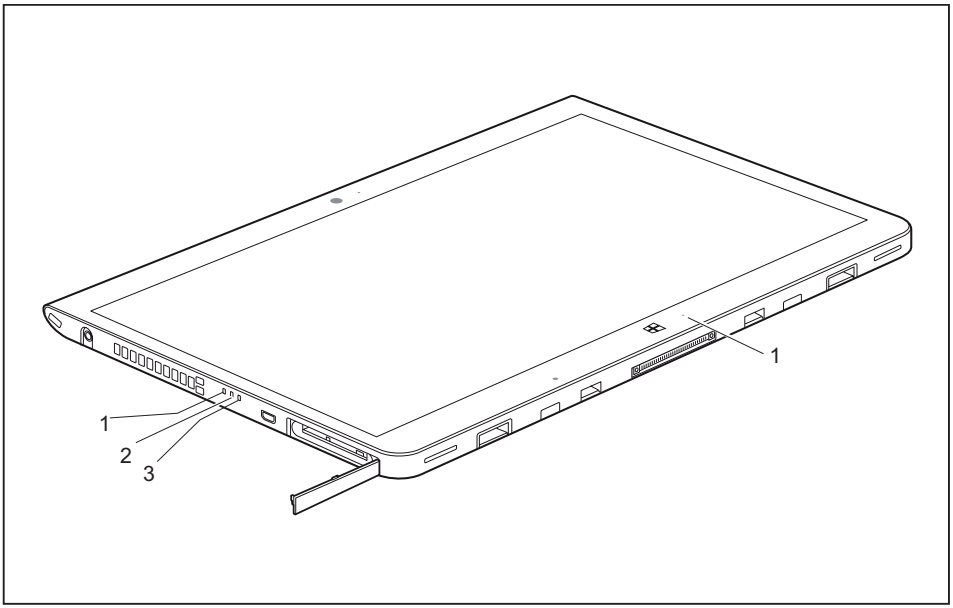
Working with the Tablet PC

This chapter describes the basics for operating your Tablet PC. You can find instructions on how to connect external devices (e.g. mouse, flash memory) to the Tablet PC in the chapter "Connecting external devices", Page 67.

Please refer to the notes in "Important notes", Page 12.

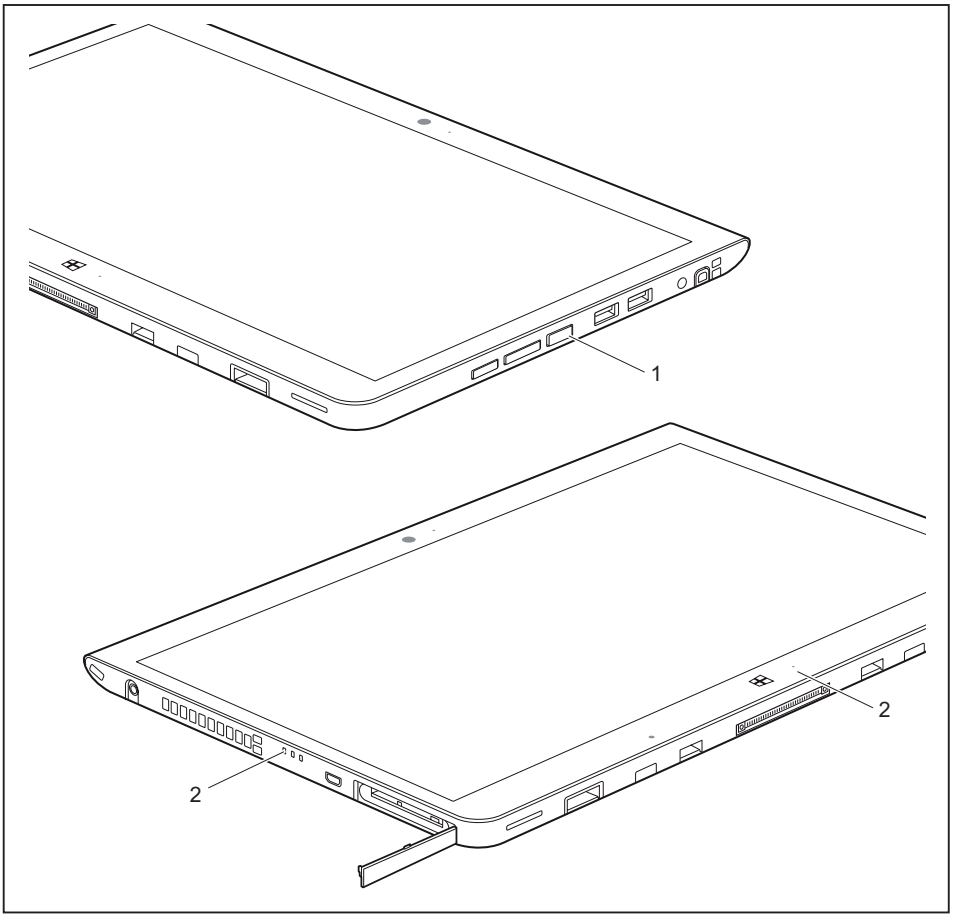
Status indicators

The status indicators (1, 2, 3) provide information about the condition of the power supply, the rechargeable battery and the wireless components.



No.	Status displays	Description
1		**Power-on indicator** • The indicator lights up white: The tablet PC is switched on. • The indicator flashes: The Tablet PC is in sleep mode (Save-to-RAM). • The indicator is not lit: The Tablet PC is switched off or in Save-to-Disk mode.
2		**Battery charging indicator** Please note: If the mains adapter is connected when the state of charge of the battery is more than 90%, charging will not be started. When the state of charge of the battery is less than 90%, the battery will be charged to 100% as soon as the mains adapter is connected. • The indicator light is orange: The battery is being charged. • The indicator is not illuminated: The battery is not being charged (the battery is already fully charged or the mains adapter is not connected).
3		**Wireless components indicator** • The indicator is lit white: The wireless components are switched on while the tablet PC is switched on. • The indicator flashes: The wireless components are switched on and Wake On Wireless LAN is enabled while the tablet PC is in sleep mode or in save-to-disk mode, or is switched off. • The indicator is not illuminated: The wireless components are switched off.

Switching on the Tablet PC



► Press the ON/OFF button (1) for about one second to switch the device on.
↳ The power-on indicators (2) light up whenever the system is switched on.

Programming the ON/OFF button

You can program the ON/OFF button:

Operating system	Menu
Windows 10	*Control Panel - Hardware and Sound - Power Options*

If you have assigned a password, you must enter this when requested to do so, in order to start the operating system. Detailed information can be found in the chapter "Security functions", Page 57.

Switching the Tablet PC off

Back up your data and close all applications before you switch off your device. Otherwise data might be lost.

- ► Shut down the operating system correctly.
- ► If the Tablet PC does not switch off automatically, press the ON/OFF button for about five seconds.

Handwriting recognition

For detailed information on handwriting recognition, see the documentation on your operating system.

At present, handwriting recognition under Windows supports the following languages:

English, German, French, Italian, Japanese, Korean, Chinese (traditional and simplified), Dutch, Portuguese, Spanish, Brazilian, Norwegian (Bokmål and Nynorsk), Swedish, Finnish, Danish, Polish, Rumanian, Serbian (Cyrillic and Latin script), Catalan, Russian, Czech and Croatian.

Under Windows you can set the required language under *Control Panel – Time, Language and Region – Language*.

Touch screen

Information on screen resolution can be found in the section "Screen resolutions for integrated screen and external screens", Page 87.

High-quality LCD screens (TFT) are installed in Fujitsu Tablet PCs. For technical reasons, these screens are manufactured for a certain resolution. An optimum and sharp image can only be ensured with the resolution intended for the particular screen. A screen resolution which differs from the specification can result in an unclear image.

The screen resolution of your Tablet PC's touchscreen is optimally set at the factory.

With the present standards of production technology, absolutely flawless screen images cannot be guaranteed. There may be a few constantly light or dark pixels (picture

elements) on the screen. The maximum permitted number of such faulty pixels is specified in the international standard ISO 9241-307 (Class II).

Example:

A monitor with an HD resolution of 1280 x 1024 has 1,310,720 pixels. Each pixel consists of three subpixels (red, green and blue), so there are almost 3.9 million subpixels in total. According to ISO 9241-307 (class II), a maximum of 3 light and 3 dark pixels and in addition 7 light or 13 dark subpixels or an equivalent mix (1 light subpixel counts as 2 dark subpixels) are allowed to be defective.

Pixel	A pixel consists of 3 subpixels, normally red, green and blue. A pixel is the smallest element that can be generated by complete functionality of the display.
Subpixel	A subpixel is a separately addressable internal structure within a pixel that enhances the pixel function.
Cluster	A cluster contains two or more defective pixels or subpixels in a 5 x 5 pixel block.

Background lighting

LCD screens are operated with background lighting. The luminosity of the background lighting can decrease over the period of use of the Tablet PC. However, you can set the brightness of your screen individually.

Ambient light sensor

If your Tablet PC was shipped with the *Windows* operating system, the screen brightness is regulated by the ambient light sensor according to the particular light conditions. This results in optimum readability and longer battery life at the same time.

If your Tablet PC was shipped with Windows 10, the adaptive brightness setting is enabled. To change the ambient light sensor settings, select *Control Panel* - *System and Security* - *Power Options* - *Change plan settings* - *Change advanced power options* - *Display* - *Activate adaptive brightness setting*.

Synchronising the display on the touchscreen and an external monitor

In Windows 10 you can proceed as follows to set the output type:

- ► Wipe your finger over the screen starting from the right-hand edge.
- ► Select *All settings*.
- ► Look for the keyword "project".
- ► Select the required function.

Select display orientation (portrait or landscape orientation)

You can choose to use either portrait or landscape orientation for the display, or whether the display orientation should automatically adapt to the orientation of the Tablet PC.

You can change these settings under *Control Panel - Hardware and Sound - Windows Mobility Center / Rotate screen*.

In the settings there are profiles saved for operation with different screen orientations. These profiles have preset standard configurations that can be modified as desired.

These settings do not just affect the monitor settings on the tablet PC, but also on any external monitors that may be connected.

Using fingers

You can execute certain commands by using your finger tip on the touchscreen of your device.

Everything which you can select or activate using your finger tip can also be selected or activated using the pen.

Calibrate the Dual Digitizer for finger-based operation of the device

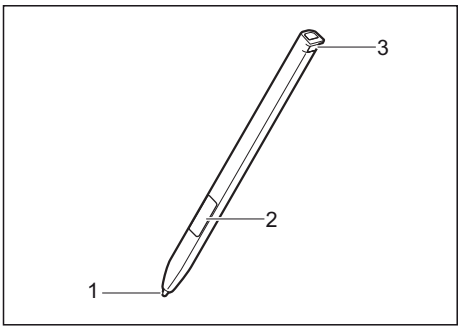
Via the operating system, you must calibrate your tablet PC before first use with your fingers, so that it detects your finger tips as accurately as possible.

As soon as you ascertain that the accuracy is deteriorating, you must recalibrate the device.

Please note: There are separate calibration programs available for calibrating the pen and for calibrating finger-based operation. Do not use the calibration tool for the pen to calibrate finger-based operation.

Operating system	Menu
Windows 10	To calibrate, call up the *Hardware and Sound / Tablet PC Settings* function in the Control Panel. You need to calibrate both portrait and landscape formats.

Using the pen



1 = pen tip

2 = pen button (= right mouse button)

3 = eyelet for optional pen tether

You can use the pen on your Tablet PC as an electronic writing implement to select items, and to navigate through programs on it. Programs that support handwriting recognition also allow you to write characters directly on the screen with the pen. You can also use the pen as a drawing tool.

A pen tether is available as an optional extra, which you can tie to the eyelet on the pen and to the eyelet on the tablet PC.

Use only the pen provided with your Tablet PC. Do not use substitutes that were not designed for your Tablet PC. Replace the pen tip if it is worn. The warranty does not cover a scratched screen.

While writing, you should take care not to scratch the surface of the display (e.g. with a wristwatch or bracelet).

The Tablet PC's pen is an electronic instrument that can be damaged if used improperly. Handle the pen with care.

The following list contains guidelines for proper pen handling:

- Do not gesture with the pen.
- Do not use the pen as a pointer.
- Do not use the pen on surfaces other than the screen of the Tablet PC.
- Do not try to twist the thumb grip on the pen. The grip is used to place the pen in its slot or to remove it from its slot.
- Never store the pen with the tip bearing the weight of the pen (e.g. with the tip down in a pen slot). If the pen is stored with the tip pointing down, this may have an adverse effect on the pen mechanism (particularly under high temperatures). In this case the pen tip may react as though it is constantly being pressed down. To avoid damage, the pen should be stored in the pen slot when not in use.

The pen can be influenced by electromagnetic fields (cursor quivers or jumps). There may be a few areas on the screen where the cursor quivers slightly in spite of pressing the pen down firmly.

The screen responds to entries made with the tip of the finger or the pen when the tip of the finger or the pen is in direct contact with the screen.

You can use the pen to run all functions for which you would otherwise use a mouse.

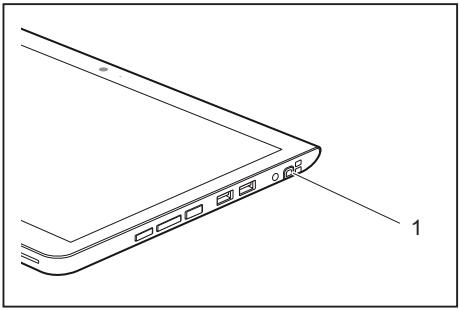
The pen does not support erasing functions.

Handling	Mouse	Pen
Selecting menu items	Click with the left-hand mouse button.	Touch the menu entry with the pen tip.
Starting programs	Double click with the left-hand mouse button.	Briefly touch the program icon twice with the pen tip.
Moving an object/window	Drag with the left-hand mouse button held pressed.	Place the pen tip directly on the object/window. Hold the pen tip pressed against the screen. Move the desired object/window.
Opening a context menu	Click with the right-hand mouse button.	Place the pen directly on the required element and hold the pen pressed against the screen.
Moving the cursor	-	Place the pen tip directly on the screen.

Pen position

To prevent the pen from getting stuck in its slot, always ensure that you insert the pen it its slot the right way round (flat part of the pen points towards the bottom of the tablet PC).

At delivery, the pen (1) is located in its slot:



Setting the pen

Operating system	Menu
Windows 10	You can make various settings for the pen under *System Control - Hardware and Sound - Pen and Touch*.

Calibrating the pen

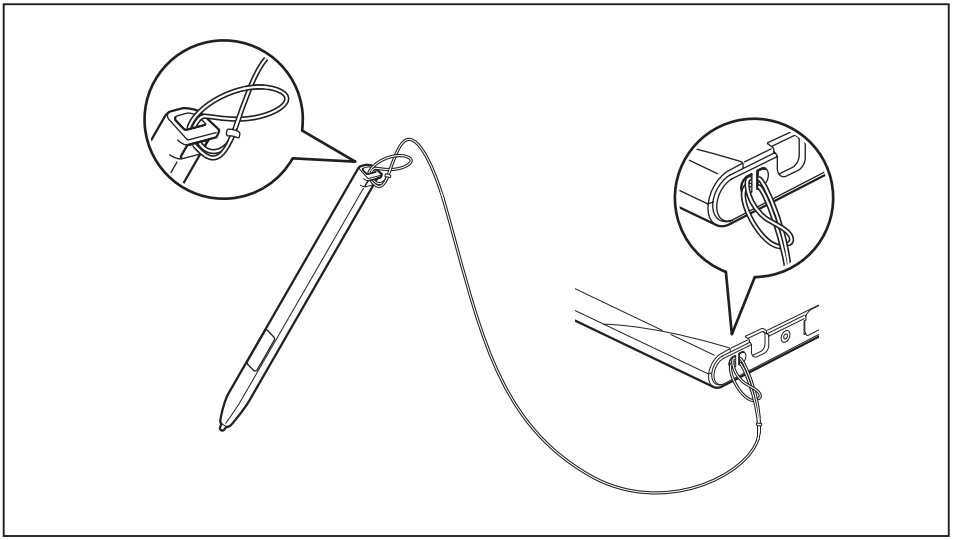
Via the operating system, you must calibrate your tablet PC before first use with the pen, so that it recognises the pen as accurately as possible.

You should also always repeat the calibration if the co-ordination between the pen and cursor movement deteriorates.

Operating system	Menu
Windows 10	To calibrate, call up the *Hardware and Sound / Tablet PC Settings* function in the Control Panel. You need to calibrate both portrait and landscape formats.

Securing the pen tether (optional)

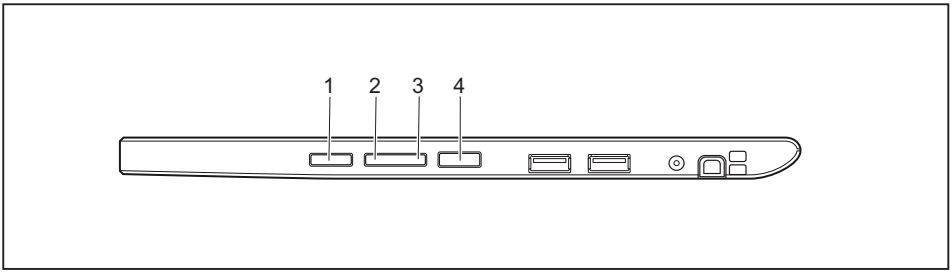
You can attach the pen with an optional pen tether to prevent accidentally dropping it or losing it.



► Secure one end of the pen tether to the pen and the other end to the Tablet PC.

Tablet buttons

In addition to the ON/OFF button (4), your tablet PC is also equipped with three tablet buttons.



No.	Description	Functions
1	Shortcut button	Start function manager or screen shot function
2	Volume down button	Decrease the volume
3	Volume up button	Increase the volume

If the Windows button of the tablet PC is pressed in combination with the ON/OFF button (4), this corresponds to the key combination Ctrl + Alt + Del on a keyboard.

Camera

Your device has two cameras: one on the front of the device and one on the back.

Each camera has its own status indicator. The status indicator lights up when the camera is active.

Depending on the software used, you can use your camera to take pictures, record video clips or take part in web chats.

- The picture quality depends on the lighting conditions and the software being used.
- You can only use the camera with a particular application (e.g. an Internet telephony program or a video conferencing program which supports a camera).
- When using the camera, the Tablet PC support must not shake.
- The camera automatically adjusts itself to the current light level. For this reason the touchscreen may flicker while the light level is adjusted.

Further information on use of the camera and additional settings can be found in the Help function of the program which uses the camera.

Rechargeable battery

For mobile use, the built-in battery provides the Tablet PC with the necessary power. You can increase the life of the battery by caring for the battery properly. The average battery life is around 500 charge/discharge cycles.

You can extend the battery life by taking advantage of the available energy saving functions.

Charging and maintaining the battery

The Tablet PC battery can only be charged when the ambient temperature is between 5°C / 41 °F and max. 35°C / 95°F.

You can charge the battery by connecting the Tablet PC to the mains adapter (see "Mains adapter connecting", Page 17).

If the mains adapter is connected when the state of charge of the battery is more than 90%, charging will not be started. When the state of charge of the battery is less than 90%, the battery will be charged to 100% as soon as the mains adapter is connected.

If the battery is running low you will hear a warning alarm. If you do not connect the mains adapter within five minutes of the warning alarm described above, your Tablet PC will switch off automatically.

monitoring the battery charging level

In the system bar / status display there is a battery symbol shown for monitoring the battery capacity. The battery symbol shows you the battery charge.

Using the power-management features

The Tablet PC uses less power when the power management features are enabled. You will then be able to work longer when using the battery before having to recharge it.

Power efficiency is increased and environmental pollution reduced. By choosing the best power options, you can make significant savings and at the same time help protect the environment.

► Select the power management functions in your Control Panel.

The recommended settings for the Windows energy saving functions are predefined as "Fujitsu EcoSettings" in the Power Options of the Control Panel and can be displayed there.

When the Tablet PC is in power saving mode, you must remember the following:

During power saving mode, open files are held in the main memory or in a swap file on the hard disk.

Never switch off the Tablet PC while it is in a power saving mode. If the built-in battery is nearly flat, close the open files and do not go into power saving mode.

If you do not intend to use your Tablet PC for a long period of time:

► Exit the power saving mode if necessary via touching the screen or by switching on the Tablet PC.

► Close all opened programs and completely shut down the Tablet PC.

Memory cards

Your Tablet PC is equipped with an integrated memory card reader. You can use memory cards to increase the storage of your Tablet PC.

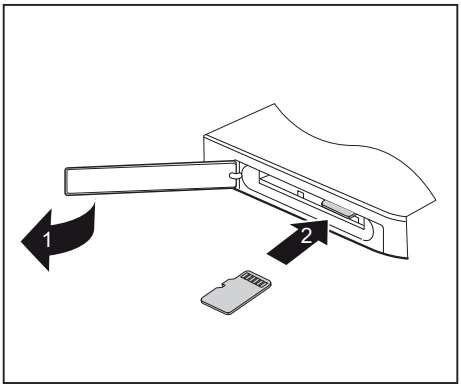
Observe the manufacturer’s instructions when handling the memory cards.

Supported formats

It supports the following formats:

- Micro Secure Digital (microSD™ Card)
- microSDHC
- microSDXC

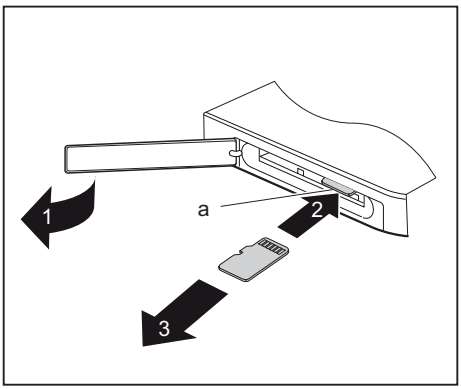
Inserting the memory card



- ► Open the slot cover (1).
- ► Carefully push the memory card into the slot (2). The label area must be facing downwards. Do not apply any force, otherwise the delicate contact surfaces could be damaged.
- ► Close the slot cover.

Removing the memory card

To avoid any loss of data, always follow the correct procedure for removing the card (see the documentation for your operating system).



- ► Open the slot cover (1).
- ► Press the edge of the memory card so that the memory card jumps (2) slightly out of the slot (a).
- ► Pull the memory card out of the slot (a) in the direction of the arrow (3).
- ► Close the slot cover.

SIM card

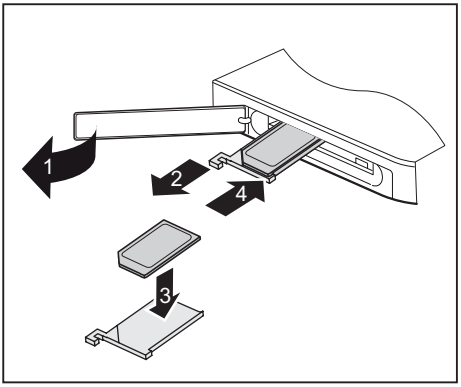
A SIM card (Subscriber Identity Module) is a chip card which is inserted in a mobile telephone or Tablet PC and, together with an integrated UMTS/LTE module, enables access to a mobile network.

Please follow the instructions supplied by the provider when handling the SIM card. If you do not feel the SIM card engage as you insert it, use a pointed object to insert the SIM card.

Please note that the SIM card format must be micro-SIM (3FF). Other SIM card formats, such as full-size (1FF), mini-SIM (2FF) or nano-SIM (4FF) do not fit in the SIM card slot of your tablet PC.

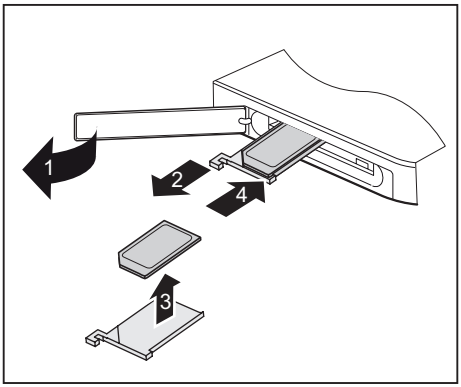
Please do not insert any other format of SIM card as they could twist or even damage the system.

Inserting the SIM card



- ► Open the slot cover (1).
- ► Pull the SIM card holder out of the slot (2).
- ► Insert the SIM card (3) in the SIM card holder as shown.
- ► Push the SIM card holder back into the slot (4).
- ► Close the slot cover.

Removing the SIM card



- ► Open the slot cover (1).
- ► Pull the SIM card holder out of the slot (2).
- ► Remove the SIM card from the SIM card holder (3).
- ► Push the SIM card holder back into the slot (4).
- ► Close the slot cover.

Wireless LAN / Bluetooth / UMTS / LTE / NFC wireless components (dependent on configuration)

The installation of wireless components not approved by Fujitsu will invalidate the certifications issued for this device.

Switching the wireless components on and off

wireless components are switched on and off via the corresponding functions of the operating system.

► To switch wireless components on and off individually, select *Settings – Change PC settings – Network – Airplane mode*.

Setting up WLAN access

- Requirement: A WLAN must be available and you must have the corresponding access information.

Information on configuring the WLAN access can be found in the documentation for your operating system.

NFC (Near Field Communication, dependent on configuration)

Depending on the configuration chosen, your Tablet PC may be equipped with an integrated NFC chip. Near field communication is used for contact-free data exchange by wireless transmission over short distances (a few centimetres).

Access via UMTS / LTE

If you ordered an integrated UMTS/LTE module with your system, you can enjoy optimum reception and maximum energy efficiency without any awkward cables or antennas. An installed UMTS/LTE module is ready for immediate use.

If you did not order a UMTS / LTE module, you can purchase the accessories for UMTS / LTE reception from your retailer or your Fujitsu Technology Solutions dealer.

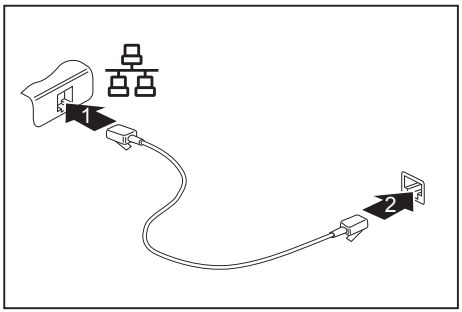
You will find information on establishing the connection with the UMTS / LTE network in the documentation for the hardware used.

Your device can connect to the Internet via UMTS / LTE. To do this, use one of the following types of connection:

- Integrated UMTS / LTE module (availability dependent on your model variant)
- a USB dongle (a USB stick with your mobile phone provider's SIM card)
- a mobile end-device (e.g. mobile phone with Bluetooth or cable connection)

Ethernet and LAN (only cradle or keyboard dock)

The internal network module of your Tablet PC supports Ethernet LAN. You can use it to establish a connection to a local network (LAN = Local Area Network).



► Connect the network cable to the LAN port of the cradle (1).

or

► Connect the network cable to the LAN port of the keyboard dock (1).

► Connect the network cable to your network connection (2).

Your network administrator can help you to configure and use the LAN connections.

The network cable is not included in the delivery scope. This type of cable can be obtained from a specialist dealer.

GPS

Whether your device has this function depends on the chosen device configuration with UMTS / LTE.

Accessories for your Tablet PC (optional)

The following accessories are available for your Tablet PC:

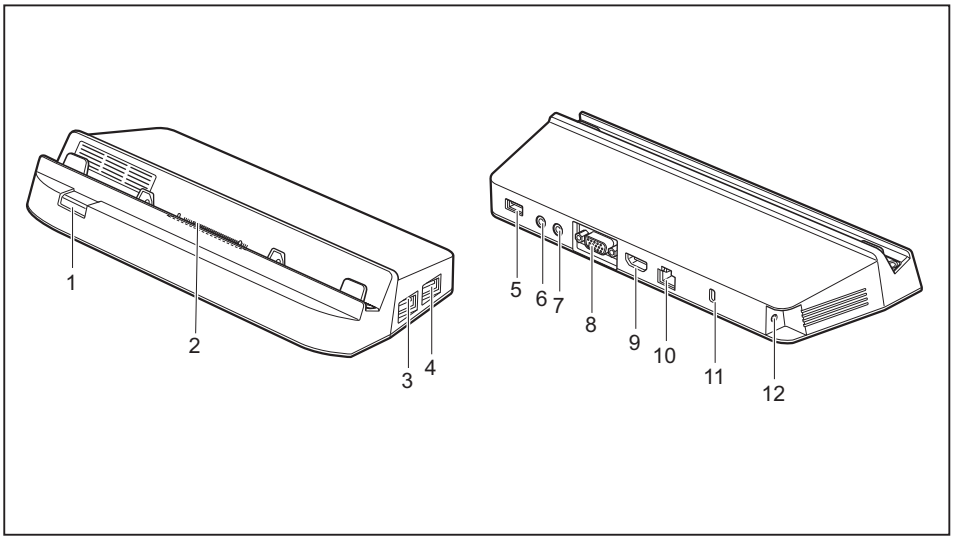
- Cradle for charging the tablet PC and with additional ports
- Keyboard dock with additional ports (with or without battery)
- VESA mount
- Hand strap
- Shoulder strap
- Cover

The following sections provide more information on handling the accessories.

Your cradle (optional)

As well as providing rapid charging, your cradle is a device which helps you to quickly connect your tablet PC to your peripheral devices, such as a display, keyboard, mouse, etc. You only need to dock the tablet PC in order to work with your peripheral devices.

Cradle components



1 = Release button
2 = Connector on the cradle for the docking port of the Tablet PC
3 = USB port 3.0
4 = USB port 3.0
5 = USB port 3.0
6 = Microphone port
7 = Headphone port
8 = VGA monitor port
9 = DisplayPort
10 = LAN port
11 = Security Lock device
12 = DC input connector (DC IN)

Setting up the cradle

Select a suitable location for the cradle before setting it up. Follow the instructions below when doing so:

- Place the cradle on a flat, stable, nonslippery surface.
- Never place the cradle and the mains adapter on a heat-sensitive surface.
- Do not expose the cradle to extreme environmental conditions.
- Protect the cradle from dust, humidity and heat.

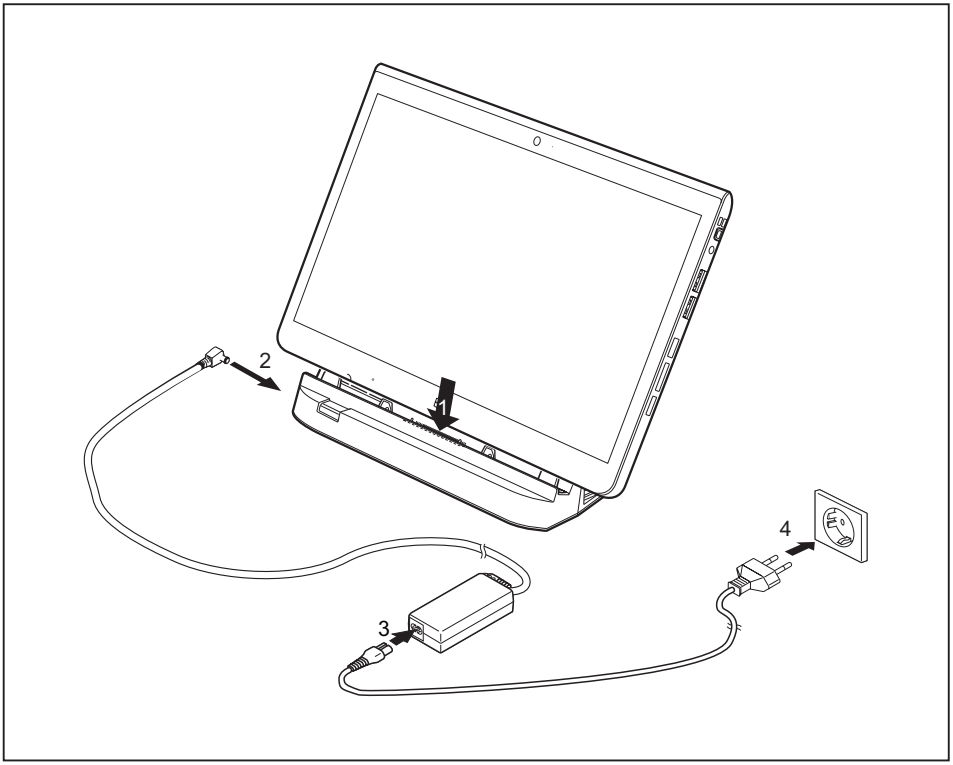
Connecting the Tablet PC to the cradle

It is possible to connect the Tablet PC to the cradle while it is operating.

Disconnect the mains adapter from the Tablet PC before connecting the Tablet PC to the cradle.

If the tablet PC is connected to the cradle, you must connect the mains adapter to the cradle in order to be able to use all of the cradle's functions.

- ► Remove the power plug of the mains adapter from the mains socket.
- ► Pull the mains adapter cable out of the DC jack (DC IN) of the Tablet PC.

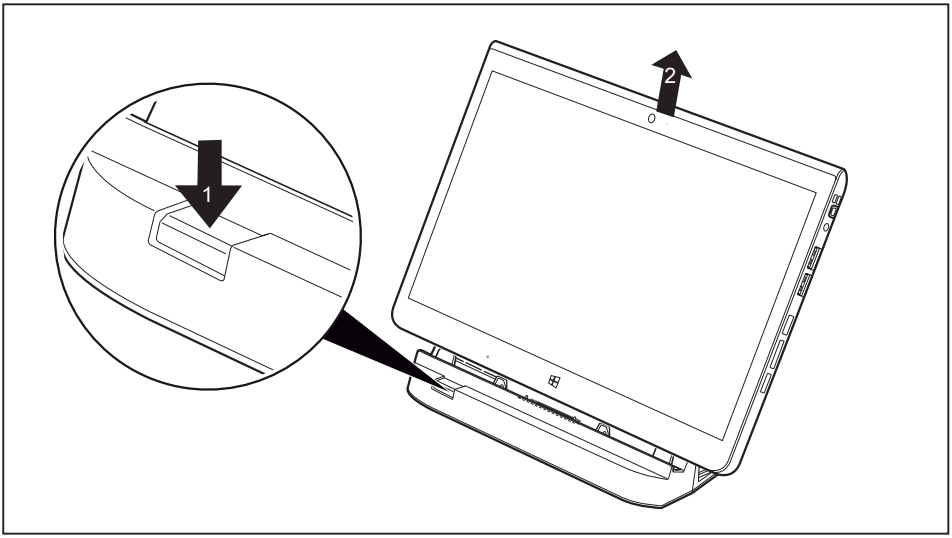


- ► Position the Tablet PC so that it lies on the surface of the tray on the cradle.
- ► Push the tablet PC onto the cradle in the direction of the arrow (1) until you feel it engage in the connector and until the release button has returned to its original position.
- ► Plug the DC output connector on the mains adapter into the DC input connector (DC IN) on the cradle (2).
- ► Connect the power cable to the mains adapter (3).

► Plug the power cable into the mains socket (4).

Disconnecting the Tablet PC from the cradle

It is possible to separate the Tablet PC from the cradle during operation.



► Push the release button in the direction of the arrow (1) until it remains in the pressed position (red marking becomes visible).

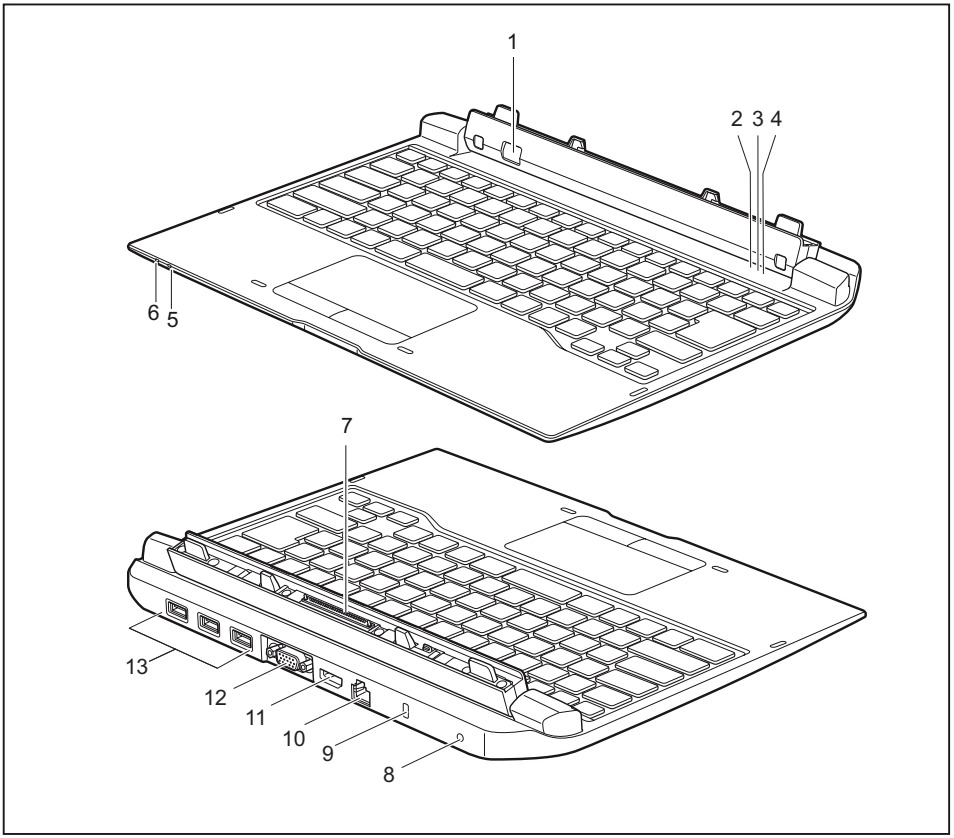
► Lift the Tablet PC from the cradle in the direction of the arrow (2), while supporting the underneath of the cradle.

Keyboard dock (optional)

The keyboard dock is a device which has been optimised for convenient input of texts and allows external devices to be connected. You only need to dock the Tablet PC.

The keyboard dock is available in 2 variants, with or without additional built-in battery.

Connections on the keyboard dock



1 = Release button
2 = Num Lock indicator (switch virtual keypad on and off)
3 = Caps Lock indicator (switch upper case writing function on and off)
4 = Scroll indicator (Scroll Lock, function depends on application program)
5 = Battery indicator of the battery in the keyboard dock (optional)
6 = Battery charging indicator of the battery in the keyboard dock (optional)
7 = Docking port for the Tablet PC
8 = DC input connector (DC IN)
9 = Security Lock device
10 = LAN port
11 = HDMI port
12 = Monitor port (VGA)
13 = USB ports (3 x USB 3.0)

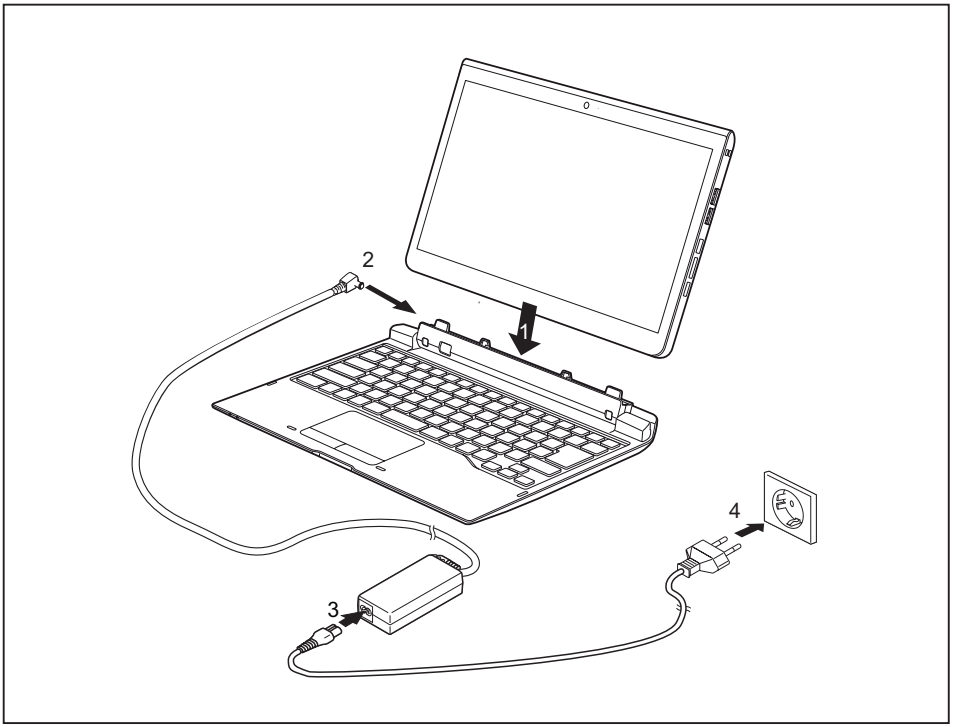
Status indicators of the keyboard dock with additional battery

Status indicators	Description
Battery indicator	The battery indicator shows the state of charge of the battery. • The indicator lights up white: The battery is between 50% and 100% charged. • The indicator lights up orange: The battery is between 13 % and 49 % charged. • The indicator light is red: The battery is between 0% and 12% charged.
Battery charging indicator	The battery charging indicator shows whether the battery is being charged. • The indicator light is orange: The mains adapter is connected and the battery is being charged. • The indicator lights up white: The AC adapter is connected and the battery is fully charged / is not being charged. • The indicator is not lit up: The AC adapter is not connected.

Connecting the Tablet PC to the keyboard dock

If the Tablet PC is connected to the keyboard dock, you can connect the mains adapter to either the keyboard dock or the Tablet PC.

► Position the keyboard dock as shown.



► Press the tablet PC onto the keyboard dock in the direction of the arrow (1), until you feel it engage on the connector.

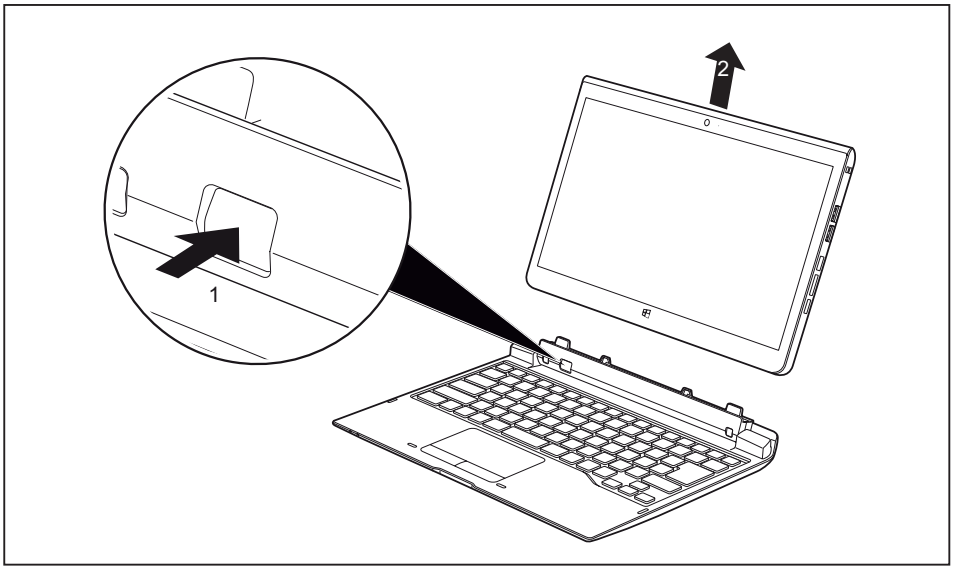
► Plug the mains adapter cable into the DC input connector (DC IN) on the keyboard dock (2).

► Connect the power cable to the mains adapter (3).

► Plug the power cable into the mains socket (4).

Disconnecting the Tablet PC from the keyboard dock

It is possible to separate the tablet PC from the keyboard dock during operation. To prevent problems, we recommend that you execute the appropriate undocking function provided by the operating system.



- ► Press and hold the release button (1) until it remains in the pressed position (red marking becomes visible).
- ► Lift the tablet PC away from the keyboard dock in the direction of the arrow (2).

Removable battery of the keyboard dock (optional)

Removing and installing the battery

Only use batteries approved by Fujitsu for your tablet PC.

Never use force when fitting or removing a battery.

Make sure that no foreign bodies get into the battery connections.

Never store a battery for longer periods in the discharged state. This can make it impossible to recharge.

Removing the battery

Please observe the safety information in chapter "Important notes", Page 12.

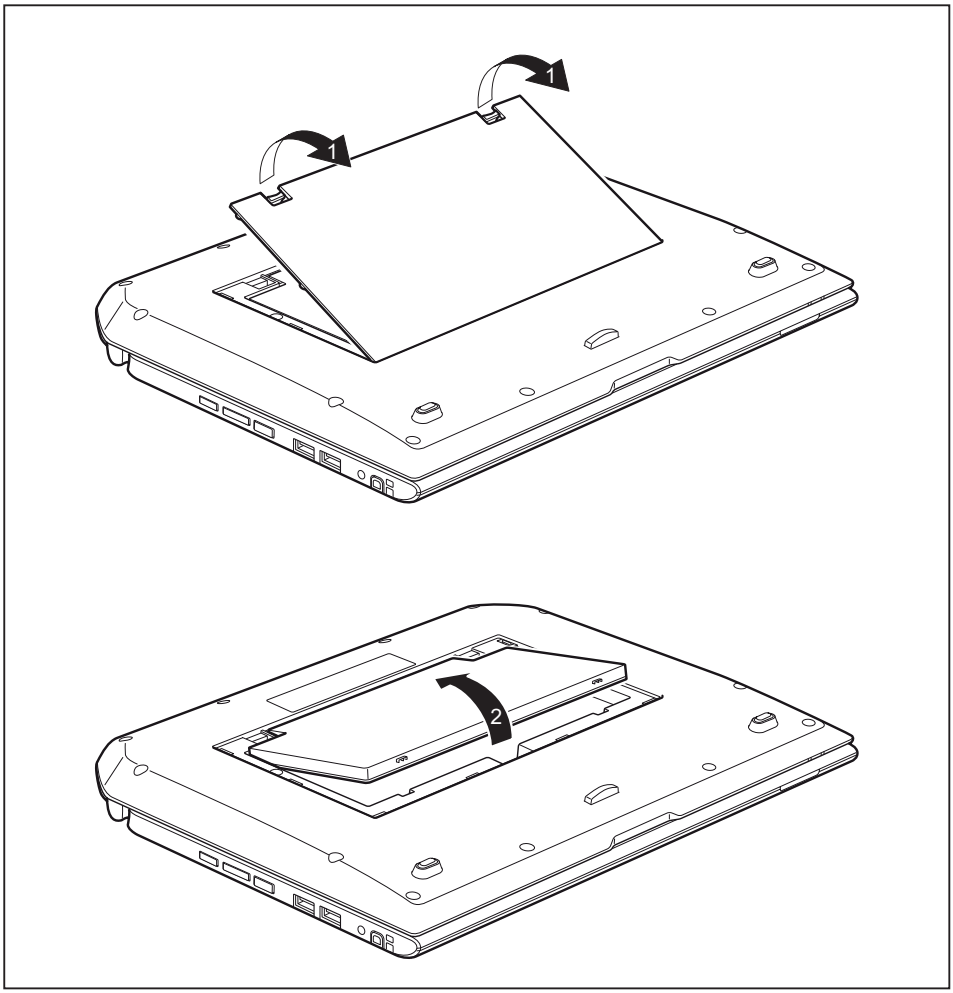
Remove the power plug from the mains outlet!

► Switch off the tablet PC.

The device must not be in energy-saving mode.

► Disconnect all cables from the keyboard dock.

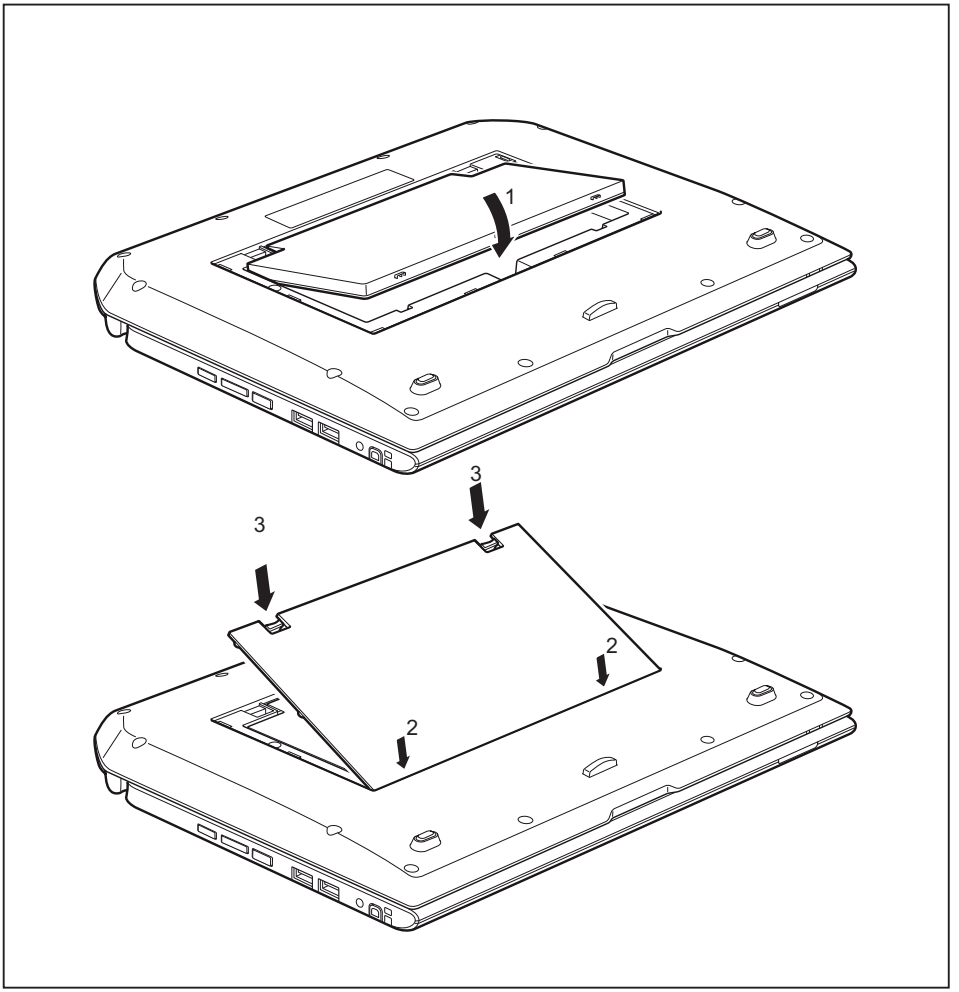
► Turn the keyboard dock over and place it on a stable, flat and clean surface. If necessary, lay an anti-slip cloth on this surface to prevent the keyboard dock from being scratched.



► Undo the catches of the battery cover and open the battery cover (1).

► Lift the battery towards the recess in the centre of the battery compartment and remove the battery from the battery compartment (2).

Installing the battery



- ► Position the battery at the edge of the battery compartment and insert the battery in the battery compartment (1).
- ► Insert the catches of the battery cover into the openings on the device (2).
- ► Close the battery compartment cover (3).

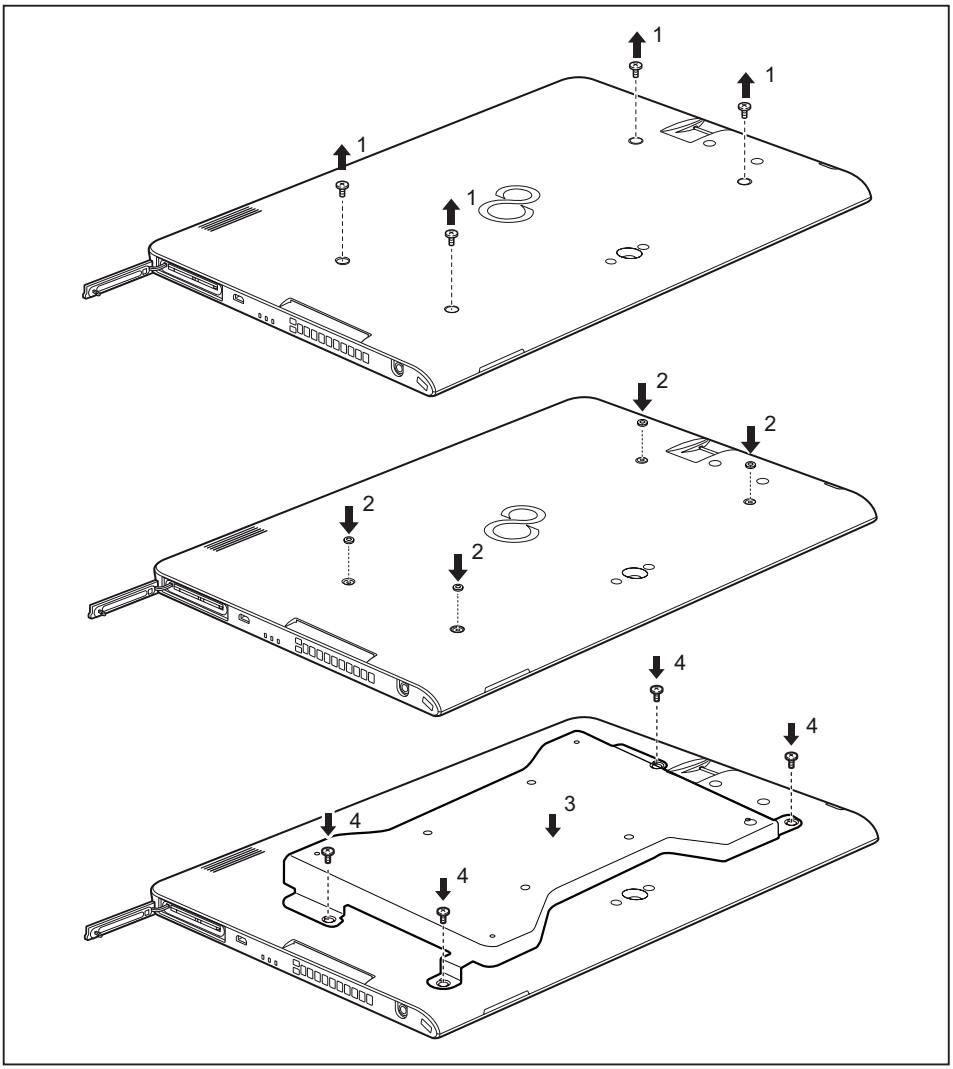
VESA mount (optional)

For models with screw holes and SmartCard readers on the back, you can attach an optional VESA mount.

Use the VESA mount to secure the tablet PC, e.g. to a monitor with corresponding screw holes.

The VESA mount kit includes the following components: VESA mount, two M2x8 screws and two spacers.

- Use a suitable tool of the correct size when fitting the screws.
- Keep the screws out of the reach of children.



► Remove the covers from the screw holes on the rear of the tablet PC (1).
► Position the spacers between the tablet PC and the VESA mount (2).

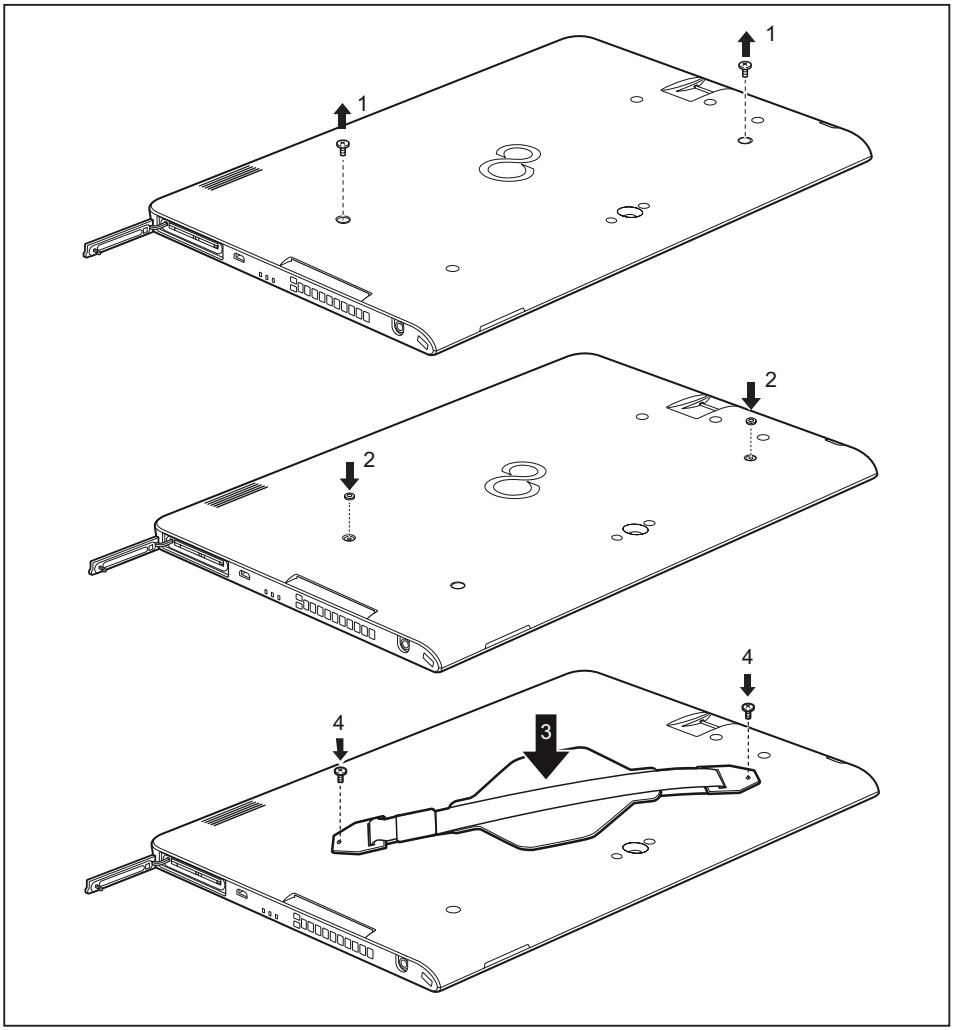
- ► Position the VESA mount on the tablet PC (3). Make sure that the screw holes of the VESA mount and of the tablet PC line up exactly above one another.
- ► Secure the VESA mount with the screws (4).

Hand strap (optional)

For models with screw holes and SmartCard readers on the back, you can attach an optional wrist strap.

The hand strap kit includes the following components: Hand strap, two M2x6 screws, two M2x8 screws and two spacers.

- Use a suitable tool of the correct size when fitting the screws.
- Keep the screws out of the reach of children.
- Do not shake the device too much when you hold it by the hand strap, otherwise it could fall down.



► Remove the covers from the screw holes on the rear of the tablet PC (1).

► Position the spacers between the tablet PC and the hand strap (2).

► Put the hand strap in position on the tablet PC (3). Make sure that the screw holes of the hand strap and the tablet PC line up exactly above one another.

Only use the M2x8 screws to secure the hand strap.

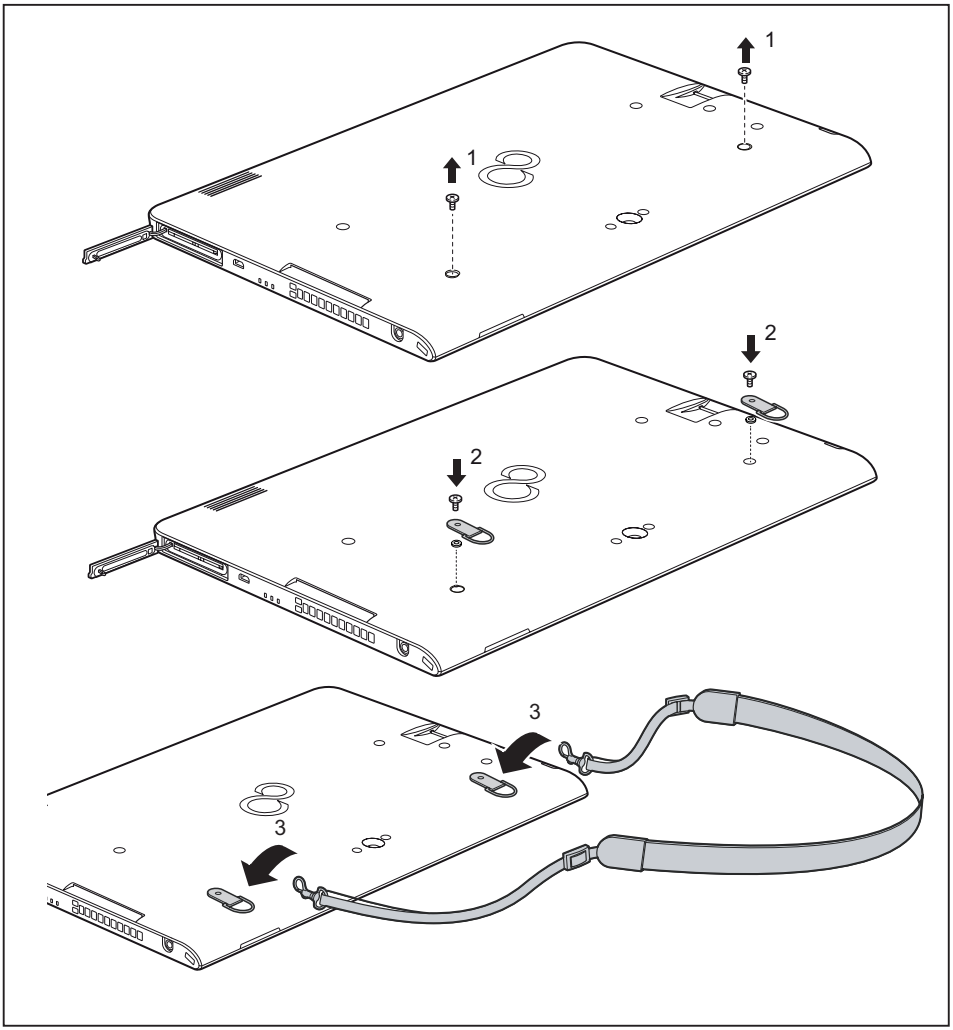
► Secure the hand strap with the screws (4).

Shoulder strap (optional)

For models with screw holes and SmartCard readers on the back, you can attach an optional shoulder strap.

The shoulder strap kit includes the following components: Shoulder strap, two mountings, two M2x6 screws, two M2x8 screws and two spacers.

- Use a suitable tool of the correct size when fitting the screws.
- Keep screws and mountings out of the reach of children.
- To avoid damaging the screws, do not use an electric screwdriver.



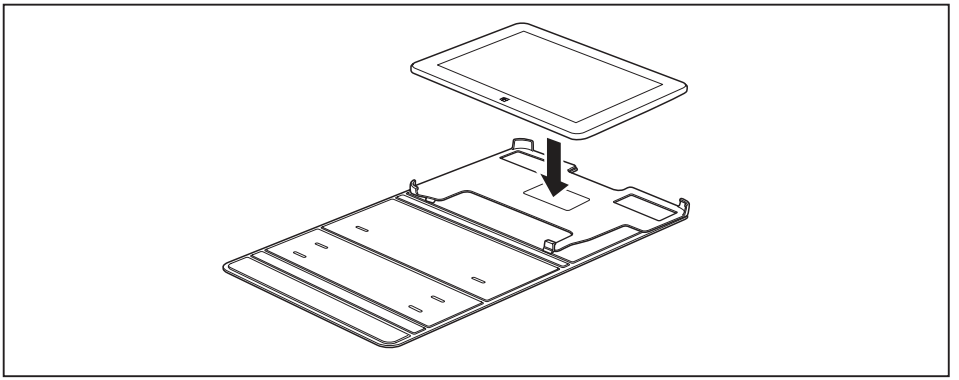
► Remove the covers from the screw holes on the rear of the tablet PC (1).

Only use the M2x8 screws to secure the mountings.

- ► Position spacers under the mountings, position the mountings on the rear of the tablet PC and secure the mountings with the screws (2).
- ► Secure the shoulder strap on the mountings (3).

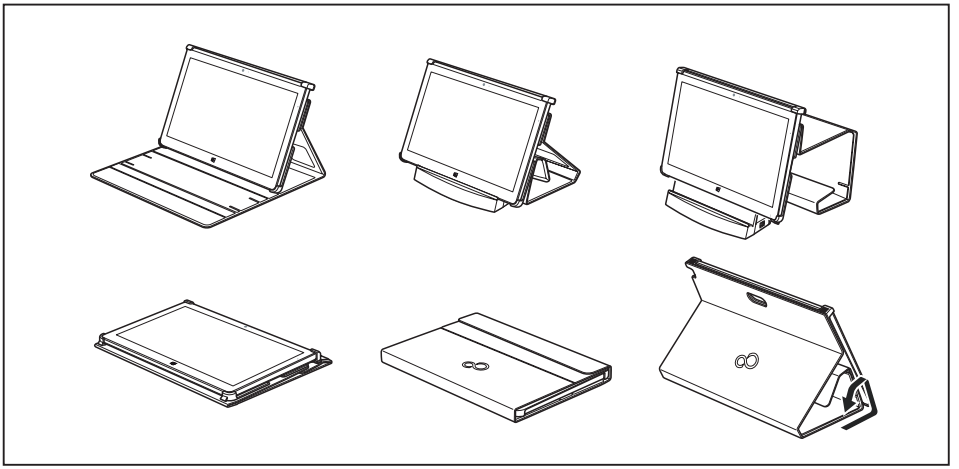
Cover (optional)

If you are using the cover, never connect the tablet PC to the keyboard dock.



► Place the Tablet PC on the cover as shown.

The following illustration shows you the many ways in which the cover can be used:



Security functions

Your Tablet PC has several security features that you can use to secure your system from unauthorised access.

This chapter explains how to use each function, and what the benefits are.

Please remember that in some cases, for example, forgetting your password, you may be locked out and unable to access your data. Therefore, please note the following information:

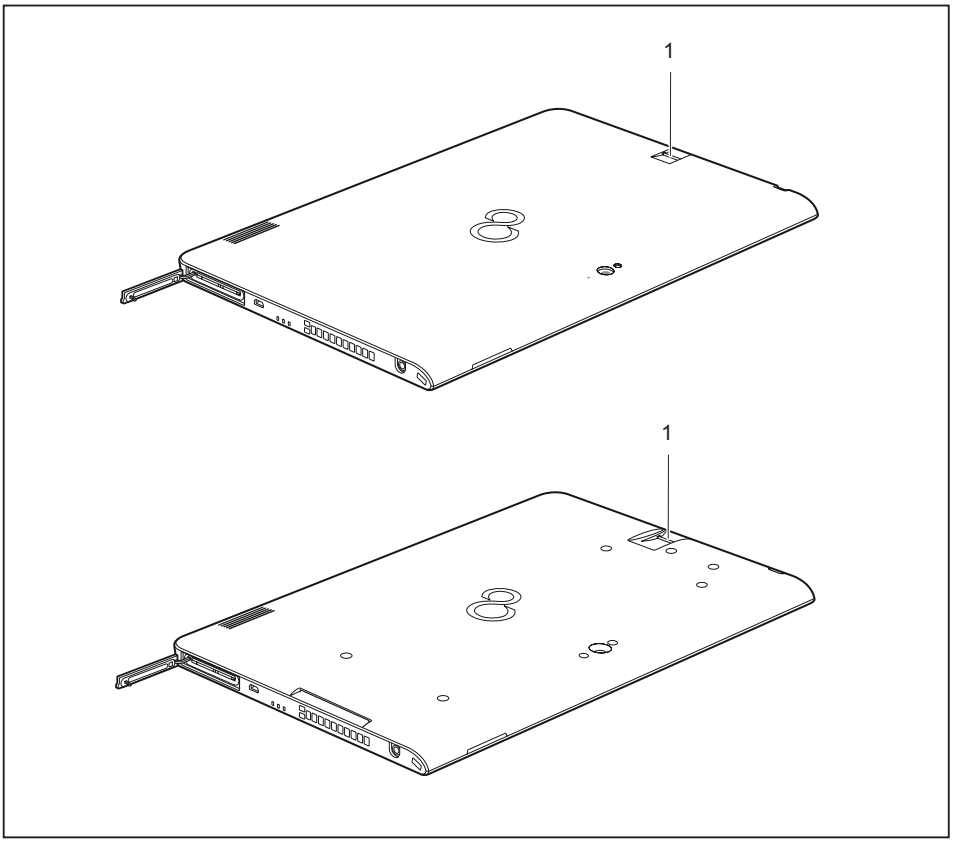
- Back up your data on external data carriers at regular intervals.
- Some security functions need you to choose passwords. Make a note of the passwords and keep them in a safe place.

If you forget your passwords you will need to contact the our Service Desk. Deletion or resetting of passwords is not covered by your warranty and a charge will be made for assistance.

Setting up the fingerprint sensor (dependent on configuration)

Whether or not your device has a fingerprint sensor depends on the device configuration you have ordered.

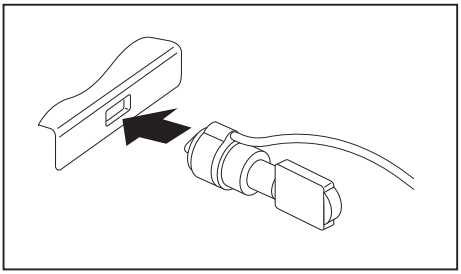
The fingerprint sensor can record an image of a fingerprint. With additional fingerprint software, this image can be processed and used instead of a password.



► You must install the fingerprint software in order to be able to use the fingerprint sensor (1).

Using the Security Lock

Your device comes with a Security Lock mechanism for the Kensington Lock Cable. With the Kensington Lock Cable, a sturdy steel cable, you can protect your device and your Port Replicator from theft. The Kensington Lock Cable is available as an accessory.



► Fit the Kensington Lock Cable to the corresponding device on your equipment.

Attach another Kensington Lock Cable to your cradle or keyboard dock to protect these devices from theft as well.

Configuring password protection in BIOS Setup Utility

Before using the various options for password protection in the *BIOS Setup utility* to increase data security, please observe the following:

Make a note of the passwords and keep them in a safe place. If you forget your supervisor password you will not be able to access your Tablet PC. Deletion of the password is not covered by your warranty and a charge will be made for assistance.

Your password can be up to 32 characters long and can contain letters, numbers and special characters. A distinction is made between upper and lower case.

When using special characters, please remember that they depend on the country version of the keyboard being used.

Protecting BIOS Setup Utility (supervisor and user password)

If you have opened these operating instructions on the screen, we recommend that you print them out. You cannot call the instructions onto the screen while you are setting up the password.

The supervisor password and the user password both prevent unauthorised use of the *BIOS Setup Utility*. With the aid of the supervisor password you can access all of the functions of the *BIOS Setup Utility*, while the user password will only give you access to some of the functions. You can only set up a user password if a supervisor password has already been assigned.

Please refer to section "Settings in BIOS Setup Utility", Page 72 for a description of how to call up and operate the *BIOS-Setup-Utility*.

Setting supervisor and user password

- ► Start the *BIOS Setup Utility* and go to the *Security* menu.
- ► Select the *Set Supervisor Password* field and press the Enter key.
- ↳ With *Enter new Password*: you are asked to enter a password.
- ► Enter the password and press the Enter key.
- ↳ *Confirm new Password* requires you to confirm the password.
- ► Enter the password again and press the Enter key.
- ↳ *Changes have been saved* is a confirmation that the new password has been saved.
- ► To set the user password, select *Set User Password* and proceed exactly as when configuring the supervisor password.
- ↳ If you do not want to change any other settings, you can exit *BIOS Setup Utility*.
- ► In the *Exit* menu, select the option *Save Changes & Exit*.
- ► Select *Yes* and press the Enter key.
- ↳ The Tablet PC is rebooted and the new password is effective. It will now be necessary to first enter your supervisor or user password in order to open the *BIOS Setup Utility*. Please note that the user password only provides access to a few of the BIOS settings.

Changing the supervisor or user password

You can only change the supervisor password when you have logged into the *BIOS Setup Utility* with the supervisor password.

- ► Call the *BIOS Setup Utility* and go to the *Security* menu.
- ► When changing the password, proceed exactly as for password assignment.

Removing passwords

To remove a password (without setting a new password) perform the following steps:

► Start the *BIOS Setup Utility* and go to the *Security* menu.
► Highlight the *Set Supervisor Password* or *Set User Password* field and press the Enter key.
↳ You will be requested to enter the current password by the *Enter Current Password* prompt.
You will be requested to enter a new password by the *Enter New Password* prompt.
► Press the Enter key twice.
► In the *Exit* menu, select the option *Save Changes & Exit*.
► Select *Yes* and press the Enter key.
↳ The Tablet PC is rebooted and the password is cancelled.
Removing the supervisor password simultaneously deactivates the user password.

Password protection for booting of the operating system

With the supervisor password you have set in the *BIOS Setup Utility* (see section "Setting supervisor and user password", Page 60), you can also prevent starting of the operating system.

Activating system protection

► Start the *BIOS Setup Utility* and go to the *Security* menu.
► Select the *Password on Boot* option and press the Enter key.
► Select the desired option (*First Boot* or *Every Boot*) and press Enter
► Select the *Save Changes & Exit* option under *Exit*.
↳ The Tablet PC reboots. You will be prompted to enter your password (the supervisor password).

Deactivating system protection

► Start the *BIOS Setup Utility* and go to the *Security* menu.
► Select the *Password on Boot* option and press the Enter key.
► Select the *Disabled* option and press the Enter key.
↳ If you do not want to change any other settings, you can exit *BIOS Setup Utility*.
► Select the *Save Changes & Exit* option under *Exit*.
↳ The Tablet PC reboots. The system is no longer password-protected.

Password protection for the hard disk

The hard disk password prevents unauthorised access to the hard disk drives and is checked internally each time the system is booted. The prerequisite for this is that you have assigned at least the supervisor password.

Activating hard disk protection

► Call up the *BIOS Setup* and select the *Security* menu.
↳ If you have not assigned BIOS passwords yet, define the supervisor and the user password now, if desired (see "Security functions", Page 57).
► Mark the *Hard Disk Security* field and press the Enter key.
► In the *Drive0* area mark the *Set Master Password* field and press the Enter key.
↳ *Enter new Password* then appears and you are asked to enter a password.
► Enter the password and press the Enter key.
↳ *Confirm new Password* requires you to confirm the password.
► Enter the password again and press the Enter key.
↳ *Setup Notice: Changes have been saved* is displayed to confirm that the new password has been saved.

The field *Password Entry on Boot* is set to *Enabled* by default. You can exit the *BIOS Setup* once you have finished changing the settings.

► From the *Exit* menu, choose the option *Exit Saving Changes*.
► Press the Enter key and select *Yes*.
↳ The Table PC reboots and your hard disk is now protected with a password. The password prompt is enabled as soon as the Tablet PC has rebooted.

Deactivating hard disk protection

To cancel a password without setting a new one, proceed as follows:

► Call up the *BIOS Setup* and select the *Security* menu.
► Mark the *Hard Disk Security* field and press the Enter key.
► In the *Drive0* area mark the *Set Master Password* field and press the Enter key.
↳ You will be initially requested to enter the old password by the *Enter current Password* prompt.
You will then be requested to enter a new password by the *Enter new Password* prompt.
► After providing the input, press the Enter key three times.
► From the *Exit* menu, choose the option *Exit Saving Changes*.
► Press the Enter key and select *Yes*.
↳ The Tablet PC reboots and there is no longer any password protection for this hard disk.

SmartCard reader (dependent on configuration)

Depending on the selected model, your device may be equipped with a SmartCard reader (only available on models with screw holes and a SmartCard reader).

SmartCards are not supplied as standard equipment. You can use all SmartCards that comply with the ISO standard 7816-1, -2 or -3. These SmartCards are available from various manufacturers.

With the appropriate software you can use your SmartCard as an alternative to password protection, but also as a digital signature, for encrypting your e-mails or for home banking.

We recommend that you always use two SmartCards. Always keep one of the SmartCards in a safe place if you are carrying the other SmartCard with you.

In order to be able to take advantage of all the security features of your Tablet PC, you will need a CardOS SmartCard from Fujitsu.

The SmartCard can only be used with a PIN, offering maximum protection even if you lose the SmartCard. In order to maximise your security, the CardOS SmartCard is disabled if three incorrect attempts are made to enter the PIN.

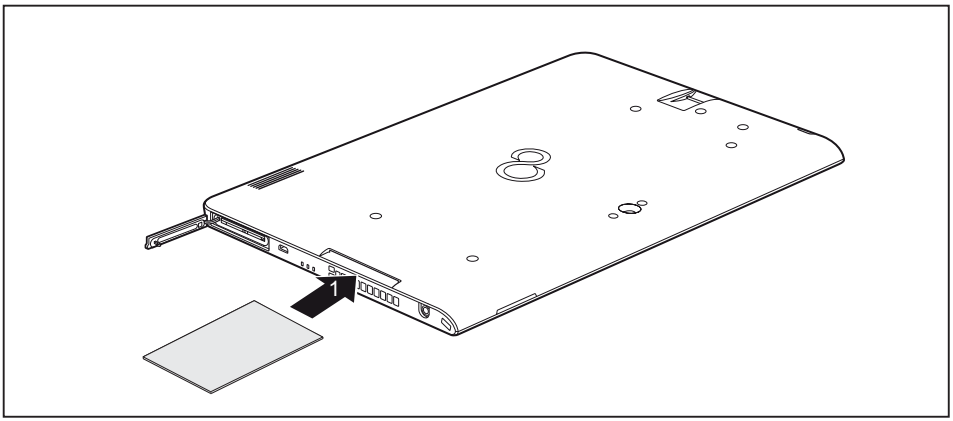
When you use the CardOS SmartCard for the first time, you will either need to enter the preset PIN "12345678" or the PIN given to you by your systems administrator.

Inserting the SmartCard

Depending on the selected model, your device may be equipped with a SmartCard reader (only available on models with screw holes and a SmartCard reader).

Do not use force when inserting and removing the SmartCard.

Make sure that foreign objects do not fall into the SmartCard reader.



► Push the SmartCard into the SmartCard reader with the chip facing the rear of the Tablet PC.

Trusted Platform Module - TPM (dependent on configuration)

To use the TPM, you **must** activate the TPM in the *BIOS Setup* before the software is installed. The condition for this is that you have assigned at least the supervisor password (see "Security functions", Page 57).

Enabling TPM

- Requirement: You have set a supervisor password, see "Security functions", Page 57.

► Call up the BIOS Setup and select the *Security* menu.

► Mark the *TPM Security Chip Setting* field and press the Enter key.

► Select *Enabled* to activate the TPM.

↳ Once you have activated the TPM the *Clear Security Chip* option appears.

Select *Clear Security Chip* to delete the holder in the TPM. By clicking on *Enabled*, all secret keys (e.g. SRK - Storage Root Keys, AIK - Attestation Identity Keys etc.) generated by applications are deleted.

Please note that you will then no longer be able to access the data you have encrypted with the keys based on that holder.

► In the *Exit* menu, choose the option *Exit Saving Changes*.

► Press the enter key and select *Yes*.

↳ The tablet PC restarts and the TPM is switched on after the reboot.

Disabling TPM

- Requirement: You have set a supervisor password, see "Security functions", Page 57.

► Call up the BIOS Setup and select the *Security* menu.

► Mark the *TPM Security Chip Setting* field and press the Enter key.

► Select *Disabled* to deactivate the TPM.

► From the *Exit* menu, choose the option *Exit Saving Changes*.

► Press the Enter key and select *Yes*.

↳ The tablet PC is rebooted and the TPM is disabled.

Enable password entry using the on-screen keyboard (on-screen keyboard for BitLocker password)

If TPM is enabled, you can enable an OnScreen keyboard for the internal touchscreen in the BIOS Setup.

► Call BIOS Setup and select the *Advanced* menu.

► Mark *Boot Configurations* and press the enter key.

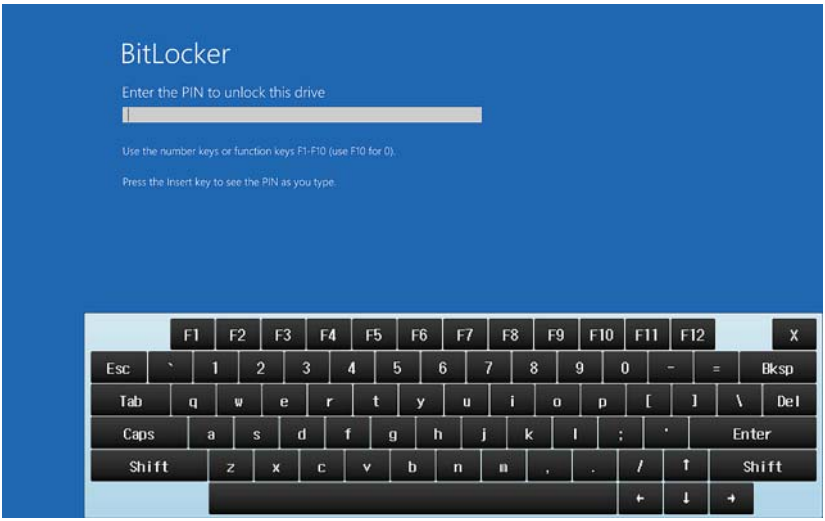
► From the *UEFI Boot On-Screen Keyboard Location* selection, choose the option *Lower Right* or *Upper Right*.

► In the *Exit* menu, choose the option *Exit Saving Changes*.

► Press the enter key and select *Yes*.

↳ The tablet PC is rebooted and the password dialogue is displayed.

Tap on the password field to enable the on-screen keyboard.



Connecting external devices

Under all circumstances, please observe the safety notes provided in the "Important notes", Page 12 chapter before connecting or disconnecting any devices to or from your Tablet PC.

Always read the documentation supplied with the device you wish to connect.

Never connect or disconnect cables during a thunderstorm.

Never pull at a cable when disconnecting it. Always grasp the plug.

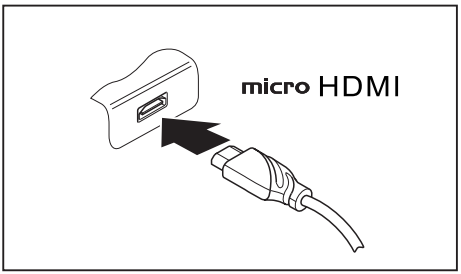
With some devices, such as USB devices, it is not necessary to switch off the Tablet PC and the device before connecting/disconnecting. For more information about whether or not devices need to be switched off, please refer to the documentation supplied with the external device.

Some of the external devices require special drivers (see the operating system and external device documentation).

Connecting an external monitor

Micro HDMI port

The micro HDMI port of your device can be used to connect an external amplifier, LCD TV or a plasma TV with an HDMI connection.



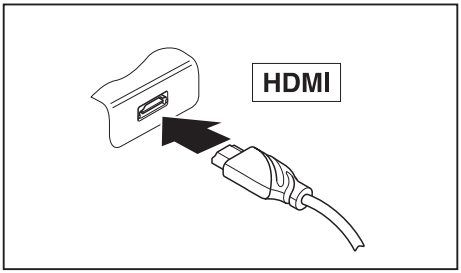
- ► Connect the data cable to the external device.
- ► Connect the data cable to the micro HDMI port.

Some LCD televisions have only two loudspeaker ports and therefore cannot reproduce Dolby Digital or DTS. To play back HDMI sound, you must change the HDMI sound settings accordingly.

You can find the settings under *Control Panel - Hardware and Sound*. Deactivate the settings for DTS Audio and Dolby Digital to enable playback of HDMI sound.

HDMI port (keyboard dock only)

The HDMI port can be used to connect an external amplifier, LCD TV or a plasma TV with an HDMI connection.



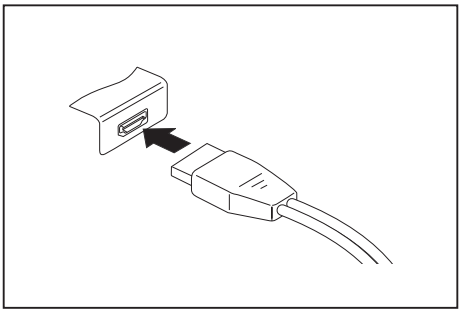
- ► Connect the data cable to the external device.
- ► Connect the data cable to the HDMI port.

Some LCD televisions have only two loudspeaker ports and therefore cannot reproduce Dolby Digital or DTS. To play back HDMI sound, you must change the HDMI sound settings accordingly.

You can find the settings under *Control Panel - Hardware and Sound*. Deactivate the settings for DTS Audio and Dolby Digital to enable playback of HDMI sound.

DisplayPort (cradle only)

The DisplayPort of the cradle can be used to connect a display, LCD TV or a plasma TV with an appropriate port.



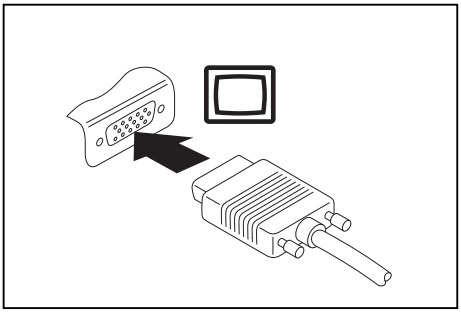
- ► Connect the data cable to the external device.
- ► Connect the data cable to the DisplayPort of the cradle.

Some LCD televisions have only two loudspeaker connections and therefore cannot reproduce Dolby Digital or DTS. In order to reproduce the sound, you must go into *Windows* and adjust the sound settings.

► To do this, deactivate the *DTS Audio* and *Dolby Digital* settings in the control panel for the *Realtek HDMI Output*.

VGA monitor port (only cradle and keyboard dock)

An analogue monitor is connected to the analogue VGA monitor port. The display output is limited to a maximum of two screens at the same time.



- ► Switch off the Tablet PC and the external monitor.
- ► Plug the data cable of the external monitor into the monitor port.
- ► First switch on external monitor and then the Tablet PC.

You can also switch back and forth between the external monitor and the LCD screen of the Tablet PC, see "Touch screen", Page 23.

You can display the same picture on the external monitor and the LCD screen of the Tablet PC simultaneously.

Connecting USB devices

On the USB ports, you can connect external devices that also have a USB port (e.g. a DVD drive, a printer, a scanner or a modem).

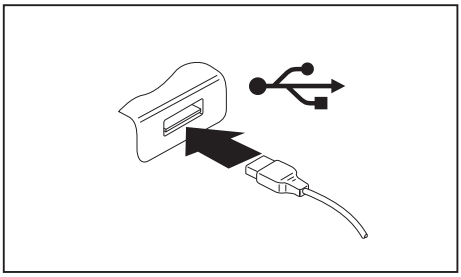
USB devices are hot-pluggable. This means you can connect and disconnect devices while your operating system is running.

USB 1.x has a maximum data transfer rate of 12 Mbit/s.

USB 2.0 has a data transfer rate of up to 480 Mbit/s.

USB 3.0 has a data transfer rate of up to 5 Gbit/s.

Additional information can be found in the documentation for the USB devices.



► Connect the data cable to the external device.

► Connect the data cable to the USB port on the Tablet PC.

or

► Connect the data cable to a USB port of the cradle.

or

► Connect the data cable to a USB port of the keyboard dock.

Device drivers

USB devices will be automatically recognised and installed by your operating system.

How to remove USB devices correctly

Always correctly remove the device according to the rules described below, to ensure that none of your data is lost.

► Tap the symbol for safe removal of the hardware.

► Select the device which you want to shut down and remove.

► Tap *OK*.

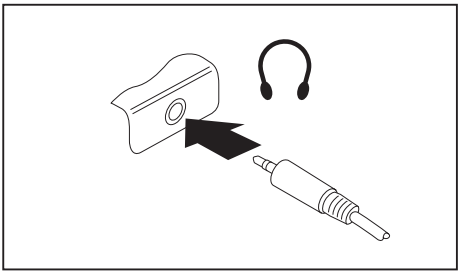
↳ Wait for the dialogue box which tells you that it is now safe to remove the device.

Connecting external audio devices

Your Tablet PC has a combined headphone and microphone port, your (optional) cradle has separate ports for headphones and a microphone.

Connecting headphones or other audio output devices

The combined headphone and microphone port of the tablet PC or the headphone port of the cradle (optional) allows you to connect output devices such as headphones, external speakers, etc. to your tablet PC.



- ► Connect the audio cable to the external device.
- ► Connect the audio cable to the combined headphone and microphone port of the tablet PC or to the headphone port of the cradle (optional).
- ↳ The internal loudspeakers are disabled.

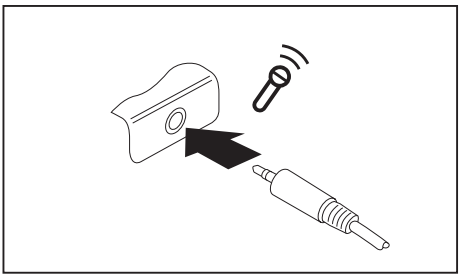
If you buy a cable from a retailer, please note the following information:

The combined headphone and microphone port on your tablet PC is a "3.5 mm jack socket".

If you want to connect headphones or a speaker you will need a "3.5 mm jack plug".

Connecting a microphone or other audio input devices

The combined headphone and microphone port of the tablet PC or the microphone port of the cradle (optional) allows you to connect an external microphone, MiniDisc player, MP3 player, CD player or a tape deck to your tablet PC.



- ► Connect the audio cable to the external device.
- ► Connect the audio cable to the combined headphone and microphone port of the tablet PC or to the microphone port of the cradle (optional).

Settings in BIOS Setup Utility

To navigate more easily in the *BIOS Setup Utility*, you can use an external USB keyboard.

The *BIOS Setup Utility* allows you to set the system functions and the hardware configuration for the Tablet PC.

When it is delivered, the Tablet PC is set to factory default settings. You can change these settings in *BIOS Setup Utility*. Any changes you make take effect as soon as you save and exit the *BIOS Setup Utility*.

The *BIOS Setup Utility* program contains the following menus:

About	Displays information relating to the BIOS, processor and Tablet PC
System	Advanced system settings
Advanced	Configuration of various hardware components, such as mouse, keyboard, processor
Security	Password settings and security functions
Boot	Configuration of the start-up sequence
Exit	Exits the *BIOS Setup Utility*

Starting the BIOS Setup Utility

- ► Press and hold the volume down button and switch the tablet PC on.
- ► If a password has been assigned, enter the password and press the Enter key.

If you have forgotten the password, contact your system administrator or contact our customer service centre.

The *BIOS Setup Utility* starts.

Operating BIOS Setup Utility

Press the F1 key to display help on the operation of the *BIOS Setup Utility*. The description of the individual settings is shown in the right-hand window of the *BIOS Setup Utility*.

With the F9 key you can load the default settings of the *BIOS Setup Utility*.

- ► Use the cursor keys ← or → to select the menu you wish to access to make changes.
- ↳ The menu is displayed on the screen.
- ► Select the option you want to change with the cursor keys ↑ or ↓.
- ► Press the Enter key.
- ► Press the ESC key to exit the selected menu.
- ► For future reference, make a note of the changes you have made (for example, in this manual).

Exiting BIOS Setup Utility

You need to select the desired option in the *Exit* menu and activate it by pressing the Enter key:

Exit Saving Changes - save changes and exit BIOS Setup Utility

► To save the current menu settings and exit the *BIOS Setup Utility*, select *Exit Saving Changes* and *Yes*.

↳ The Tablet PC is rebooted and the new settings come into effect.

Exit Discarding Changes – Discard changes and exit BIOS Setup Utility

► To discard the changes, select *Exit Discarding Changes* and *Yes*.

↳ The settings in place when *BIOS Setup Utility* was called remain effective. The *BIOS Setup Utility* is terminated and the Tablet PC is rebooted.

Load Setup Defaults – Copy Standard Entries

► To copy the standard entries for all menus of the *BIOS Setup Utility*, choose *Load Setup Defaults* and *Yes*.

Discard Changes – Discard changes without exiting the BIOS Setup Utility

► To discard the changes you have made, select *Discard Changes* and *Yes*.

↳ The settings in place when *BIOS Setup Utility* was called remain effective. You can now make additional settings in the *BIOS Setup Utility*.

► If you want to exit*BIOS Setup Utility*with these settings, select *Exit Saving Changes* and *Yes*.

Save Changes - save changes without exiting the BIOS Setup Utility

► To save the changes, select *Save Changes* and *Yes*.

↳ The changes are saved. You can now make additional settings in the BIOS Setup Utility.

► If you want to exit BIOS Setup Utility with these settings, choose *Exit Saving Changes* and *Yes*.

Save Changes and Power Off

► To save the changes and switch off your device, select *Save Changes and Power Off* and *Yes*.

↳ The changes are saved. Your device is shut down.

Troubleshooting and tips

Follow the safety notes in the "Safety/Regulations" manual when connecting or disconnecting cables.

If a fault occurs, try to correct it as described. If you fail to correct the problem, proceed as follows:

- ► Make a note of the steps and the circumstances that led to the fault. Also make a note of any error messages displayed.
- ► Switch the Tablet PC off.
- ► Please contact the Hotline/Service Desk.

You can find the telephone numbers in the service desk list. Please have the following information ready when you call:

- The model name and serial number of the Tablet PC. The serial number is located on a sticker on the underside of the Tablet PC.
- Notes of any messages that appear on the screen and information on acoustic signals.
- Any changes you have made to the hardware or software after receiving the Tablet PC.
- Any changes you have made to the *BIOS Setup* settings after receiving the Tablet PC.
- Your system configuration and all peripheral devices connected to your system.
- Your sales contract.

Our Tablet PCs have been designed primarily with mobile applications in mind. This means that considerable effort has been made to optimise components and equipment in terms of weight, space and energy requirements. Depending on the particular configuration you have purchased, it is possible that functionality may be slightly reduced compared to a desktop PC if you are running processor-intensive gaming software, e.g. games with intensive 3D graphics. Updating your hardware with drivers which have not been approved by Fujitsu Technology Solutions may result in performance losses, data losses or malfunction of the equipment. A list of approved drivers and current BIOS versions can be downloaded from: "http://support.ts.fujitsu.com/Download/Index.asp"

Executing a reset

If the device no longer responds to your inputs, select one of the following options:

Forced shut down

► Keep the ON/OFF button pressed for at least 4 seconds.
↳ The device will shut down. You can then restart it.

Carry out a battery reset

► Shut down the device.

If the device does not respond, you may have to force the shutdown, as described in the previous section.

► Disconnect the mains adapter from the device.
► Press the volume up button and the shortcut button at the same time.
↳ The device performs a reset, comparable to removing the battery. You can then restart it.

Help if problems occur

Should you encounter a problem with your computer that you cannot resolve yourself:

► Note the ID number of your device. The ID number is found on the type rating plate on the back or underside of the casing.
► For further clarification of the problem, contact the Service Desk for your country (see the Service Desk list or visit the Internet at "http://support.ts.fujitsu.com/contact/servicedesk/ServiceDeskNumber_Int.asp"). When you do this, please have ready the ID number and serial number of your system.

The Tablet PC's date or time is incorrect

Cause	Troubleshooting
Time and date are incorrect.	► With the *BIOS-Setup-Utility*, you can set the date and time in the *main* menu.
Date and time are still set incorrectly after switching on the Tablet PC.	► Please contact your sales outlet or our Hotline/Service Desk.

Battery charging indicator not lit

Cause	Fault elimination
The battery is not being charged.	► Connect the Tablet PC to a mains outlet using the mains adapter. **Note:** The battery will only be charged again when the battery capacity is less than 90%.

The Tablet PC’s touchscreen remains dark

Cause	Troubleshooting
Touchscreen is switched off.	► Press a key (external keyboard) or tap on the touchscreen.
External monitor or television set connected.	► Check whether the graphics driver settings are correct or whether an external monitor has been detected in "Intel Graphics Media Accelerator Driver for mobile".

The display on the Tablet PC’s touchscreen is difficult to read.

Cause	Troubleshooting
Reflected glare	► Move the Tablet PC into a different position. ► Increase the brightness of the screen.

The external monitor remains blank

Cause	Troubleshooting
Monitor is switched off.	► Switch the external monitor on.
Power saving has been activated (monitor is blank).	► Press a key (external keyboard) or tap on the touchscreen.
Brightness is set to dark.	► Adjust the brightness of the monitor.
Screen output is set on the Tablet PC's touchscreen.	► Check whether the graphics driver settings are correct or whether an external monitor has been detected in "Intel Graphics Media Accelerator Driver for mobile".
The external monitor's power cable or data cable is not connected properly.	► Switch off the Tablet PC and the external monitor. ► Check whether the power cable is plugged properly into the external monitor and into the power socket. ► Check whether the data cable is properly connected to the Tablet PC and the external monitor (if it is plugged in with a connector). ► Switch on the Tablet PC and the external monitor.

The external monitor is blank or the image is unstable

Cause	Troubleshooting
The wrong external monitor has been selected or the wrong screen resolution has been set for the application program.	► Terminate the application program in Windows. If the error persists after terminating the program, use the key combination for switching the screen output in order to switch to the touchscreen of the tablet PC. Change the following setting: ► Set the screen resolution: Set the screen resolution as described in the documentation for your operating system. ► Select monitor: Select monitor 1 or 2 as described in the documentation for your operating system.

The cursor does not correctly follow the pen movements

Cause	Fault elimination
Pen incorrectly calibrated	► Calibrate the pen as described in chapters "Setting the pen", Page 27 and "Calibrating the pen", Page 28.

Pen input not working

Cause	Troubleshooting
Incorrect driver installed.	► If your device is one which can only be operated using the pen, install the driver for the standard model. **or** ► If your device is one which can be operated using the pen and by finger, install the driver for the "Dual Digitizer" model.

The Tablet PC does not start after switch on

Cause	Troubleshooting
The battery is dead.	► Charge the battery. **or** ► Connect the mains adapter to the Tablet PC.
The power adapter is not connected correctly.	► Check whether the mains adapter is connected correctly to the Tablet PC. ► Switch on the Tablet PC.

The Tablet PC stops working

Cause	Troubleshooting
The Tablet PC is in energy saving mode.	► Leave energy saving mode.
An application programme has caused the malfunction.	► Close the application program or restart the Tablet PC (by restarting the operating system or switching the device off and back on again).
The battery is dead.	► Charge the battery. **or** ► Connect the mains adapter to the Tablet PC.

The printer does not print

Cause	Troubleshooting
The printer is not switched on.	► Make sure that the printer is switched on and ready for operation (refer to the documentation supplied with the printer).
The printer is not connected correctly.	► Check that the data cable connecting the Table PC to the printer is properly connected.
The printer driver is faulty or not correctly installed, or it is the wrong printer driver.	► Check that the data cable connecting the Tablet PC to the printer is properly connected. ► Check whether the correct printer driver is loaded (refer to the printer documentation).

The wireless connection to a network does not work

Cause	Troubleshooting
The wireless component is disabled.	► Switch the wireless component on (see "Switching the wireless components on and off", Page 34).
The wireless component is enabled. Despite this, the wireless connection to a network does not work.	► Check whether the wireless connection is switched on via the software. ► Further information on using the wireless component can be found in the help files.

The battery discharges too quickly

Cause	Troubleshooting
The battery is either too hot or too cold. In this case the battery indicator flashes.	► Bring the Tablet PC up/down to a normal temperature again. ► If the operating time of the battery life is extremely short, the battery is probably too old. Replace battery if necessary.
You may have an application running that consumes a great deal of power due to frequent accessing of the hard disk or optical drive.	► Use the mains adapter as frequently as possible.
The maximum brightness may have been set for the screen.	► Reduce the brightness of the screen to lower energy consumption: You will find the setting under *Control Panel – Hardware and Sounds – Windows Mobility Center*.

SmartCard reader is not recognised.

Cause	Troubleshooting
Chip card inserted incorrectly.	► Make sure you have inserted your SmartCard into the SmartCard reader with the chip facing upwards/downwards (device-dependent). ► Check whether the SmartCard you are using is supported. Your SmartCard must comply with the ISO standard 7816-1, -2, -3 and -4.

SmartCard PIN forgotten

Cause	Troubleshooting
PIN forgotten	► If you work in a network, contact your system administrator, who can unlock your Tablet PC with a supervisor PIN.

User and/or supervisor SmartCard lost

Cause	Troubleshooting
User and/or supervisor SmartCard lost	► If you have lost your User SmartCard, you can continue working with the Supervisor SmartCard and initialise a new User SmartCard or deactivate the SystemLock function. ► If you have lost the Supervisor SmartCard, you can continue working, but you no longer have all your rights and can no longer initialise a Supervisor SmartCard. ► If you have lost both SmartCards, you can no longer boot your system. Please contact our Service Desk. You must provide proof of ownership for the device. Then the Service Desk will refer you to our service partner, who will unlock your device (for a charge).

SmartCard lost

Cause	Troubleshooting
SmartCard lost	► If you work in a network, contact your system administrator, who can boot your Tablet PC with a Supervisor SmartCard.

Acoustic warnings

Cause	Troubleshooting
A beep sounds every few seconds. The battery is almost flat.	► Charge the battery.

Error messages on the screen

This section describes the error messages generated by the BIOS Setup. Error messages displayed by the operating system or programmes are described in the relevant documentation.

If the error message appears repeatedly, despite troubleshooting measures, please contact the place of purchase or our customer service centre.

Error message/cause	Resolution
CMOS battery bad If the error message occurs repeatedly, the buffer battery in the Tablet PC is flat.	► Contact your sales outlet or our customer service centre.
System CMOS checksum bad - default configuration used The system configuration information is incorrect.	► Switch off the Tablet PC. ► Switch on the Tablet PC. ► In the *BIOS Setup*, select the *Exit* menu. ► Select the entry *Load Setup Defaults*. ► Select *OK* and press the Enter key.
Extended memory failed at offset: xxxx Failing Bits: zzzz zzzz When testing the extended memory an error has resulted at the address xxxx.	► Contact your sales outlet or our customer service centre.
Failure Fixed Disk n The settings of the hard disk drive are incorrect.	► Start the *BIOS Setup* (*Primary Master* submenu) and select the correct settings.
Keyboard controller error	► Switch off your Tablet PC using the ON/OFF button. ► Wait 3 - 5 seconds and switch on the Tablet PC again.
Keyboard error	If you are using an external keyboard: ► Check the connection and reboot the Tablet PC.
nn Stuck key	► Make sure that no key is pressed.
Operating system not found	► Check in the *BIOS Setup* whether your hard disk has been set correctly. ► Make sure that the operating system is installed on the corresponding drive.
Press <F1> to resume, <F2> to SETUP This error message appears if an error occurs during the self-test before starting the operating system.	► Press the volume down button to start BIOS Setup. **or** ► If you are working with an external keyboard, press the F1 or F2 key on the keyboard.

Error message/cause	Resolution
Real time clock error	► Contact your sales outlet or our customer service centre.
nnnnK Shadow RAM failed at offset: xxxx Failing Bits: zzzz	► Contact your sales outlet or our customer service centre.
System battery is dead - Replace and run SETUP	► Contact your sales outlet or our customer service centre.
System cache error - Cache disabled	► Contact your sales outlet or our customer service centre.
System timer error	► Contact your sales outlet or our customer service centre.

Restoring the system under Windows 10

If necessary, you can reset your system to the original state of the hard disk.

► Beginning at the right edge of the Windows Start screen or the desktop, use a finger to sweep over the screen to open the *Action Centre*.
► Select *All settings*.
► Select *Update & security*.
► Select *Recovery*.
► Select according to your requirements from the options given.

Technical data

Tablet PC

General	
Processor	6. Generation Intel® Core™ with vPro™ technology (vPro, dependent on configuration)
Main memory (SO DIMM)	4 Gbyte/ 8 Gbyte DIMM onboard
Electrical data	
Safety regulations complied with	CE
Protection class	II
Maximum power consumption (when the tablet PC is switched on, is connected to the keyboard dock with battery, and the battery is charged):	65 W
Touchscreen	
Size	13.3" Full HD Wide View
Resolution	1920 x 1080 / 16 million colours
Pixel class	II
Brightness control	11 levels
Technology	Wide-View High-Bright display with LED background lighting
Digitizer and glass panel	Dual Digitizer with Anti-Glare Touchscreen
Cameras	• Front: HD camera • Rear: 5 megapixels, autofocus, mobile light
Graphics card	
Chip	Intel (c) HD Graphics 520
Maximum resolution on external display:	4096 x 2160
Dimensions	
Width x depth x height	317.0 mm x 208.0 mm x 12.7 mm 12.48 inches x 8.19 inches x 0.5 inches (depending on the back variant)
Weight dependent on configuration	from 990 g / 2.18 lbs
Input devices	
Tablet buttons	3 keys
Pen	Pen with one push-button
Slots	
Memory card slot	1 x microSD
SIM card slot	1 x Micro-SIM
SmartCard reader (dependent on configuration)	1 x
Ports	
Combined headphone and microphone port	3.5 mm stereo mini jack

Docking port	1 x
Micro HDMI port	1 x
USB (Universal Serial Bus)	1 x USB 2.0, 1 x USB 3.0
Security Lock device	1 x
Ambient conditions	
Environment class DIN IEC 721	7K1
Mechanism class DIN IEC 721	7M2
Operating temperature	5 °C .... 35 °C / 41 °F .... 95 °F
Transport temperature (2K2)	–15 °C .... 60 °C / 5 °F .... 140 °F

Screen resolutions for integrated screen and external screens

<table>
<tr><th rowspan="2"></th><th rowspan="2">Max. number of screens</th><th rowspan="2">Number of external screens</th><th rowspan="2">Inte-grated screen</th><th>System interface</th><th colspan="3">Ports on the cradle / keyboard dock</th></tr>
<tr><th>Micro HDMI port</th><th>HDMI</th><th>Display Port</th><th>VGA</th></tr>
<tr><td>Only Tablet PC</td><td>2</td><td>1</td><td rowspan="8">1920x1080 @60Hz</td><td>4096x2160 @24Hz
3840x2160 @30Hz
1920x1080 @60Hz</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td rowspan="4">with cradle / keyboard dock</td><td rowspan="3">2</td><td rowspan="3">1</td><td>-</td><td>4096x2160 @24Hz
3840x2160 @30Hz
1920x1080 @60Hz</td><td>-</td><td>-</td></tr>
<tr><td>-</td><td>-</td><td>3840x2160 @30Hz
2560x1600 @60Hz</td><td>-</td></tr>
<tr><td>-</td><td>-</td><td>-</td><td>1920x1200 @60Hz</td></tr>
<tr><td rowspan="5">3</td><td rowspan="5">2</td><td rowspan="3">4096x2160 @24Hz
3840x2160 @30Hz
1920x1080 @60Hz</td><td>4096x2160 @24Hz
3840x2160 @30Hz
1920x1080 @60Hz</td><td>-</td><td>-</td></tr>
<tr><td>-</td><td>3840x2160 @30Hz
2560x1600 @60Hz</td><td>-</td></tr>
<tr><td>-</td><td>-</td><td>1920x1080 @60Hz</td></tr>
<tr><td>-</td><td>1920x1080 @60Hz</td><td>-</td><td>1920x1080 @60Hz</td></tr>
<tr><td>-</td><td>-</td><td>1920x1080 @60Hz</td><td>1920x1080 @60Hz</td></tr>
</table>

Rechargeable battery

You can find information on the batteries used in your device on the Internet at "http://www.fujitsu.com/fts/support/".

	3-cell lithium polymer battery 4250 mAh
Rated voltage	10.8 V
Rated capacity	46 Wh

65 W mains adapter for the tablet PC

Rated voltage	19 V
Max. rated current	3.42 A

An additional mains adapter or power cable can be ordered at any time.

Cradle (optional)

Electrical data	
Safety regulations complied with	CE
Protection class	II
Ports	
Headphone port	3.5 mm stereo mini jack
Microphone port	3.5 mm stereo mini jack
Docking port	40-pin
DisplayPort	1 x
VGA monitor port	1 x
Maximum resolution on an external monitor	VGA: • 1920x1200@60Hz DisplayPort: • 3840x2160@30Hz • 2560x1600@60Hz
USB (Universal Serial Bus)	3 x USB 3.0
LAN port	1 x
Security Lock device	1 x
Ambient conditions	
Environment class DIN IEC 721	7K1
Mechanism class DIN IEC 721	7M2
Operating temperature	5 °C .... 35 °C /41 °F .... 95 °F
Transport temperature	–15 °C .... 60 °C /5 °F .... 140 °F

Keyboard dock (optional)

Electrical data	
Safety regulations complied with	CE
Protection class	II
Ports	
Docking port	16-pin
USB (Universal Serial Bus)	3 x USB 3.0
VGA monitor port	1 x
LAN port	1 x
HDMI port	1 x
Environmental conditions	
Environment class DIN IEC 721	7K1
Mechanism class DIN IEC 721	7M2
Operating temperature	5 °C .... 35 °C / 41 °F .... 95 °F
Temperature during transportation	–15 °C .... 60 °C / 5 °F .... 140 °F

Battery for keyboard dock (device-dependent)

You can find information on the batteries used in your device on the Internet at "http://fujitsu.com/fts/support".

	4-cell lithium-ion rechargeable battery 4170 mAh
Rated voltage	10.8 V
Rated capacity	45 Wh

VESA mount (optional)

Dimensions	
Width x Depth x Height	222 mm x 91 mm x 12.2 mm / 8.74 in. x 3.58 in. x 0.48 in.
Weight	130 g / 0.29 lbs

Hand strap (optional)

Dimensions	
Width x Depth x Height	478 mm x 77 mm x 13 mm / 18.8 in. x 3.03 in. x 0.51 in.
Weight	approx. 24 g / 0.053 lbs.

Shoulder strap (optional)

Dimensions	
Width x Depth x Height	1,265 mm x 25 mm x 4.8 mm / 49.80 in. x 0.98 in. x 0.189 in.
Weight	approx. 33.4 g / 0.074 lbs.

Cover (optional)

Dimensions	
Width x Depth x Height	460 mm x 273 mm x 16 mm / 18.11 in. x 10.75 in. x 0.63 in.
Weight	approx. 390 g / 0.86 lbs.

Manufacturer’s notes

Disposal and recycling

You can find information on this subject on your Tablet PC or on our website ("http://www.fujitsu.com/fts/about/fts/environment-care/").

Declarations of Conformity

The "Declarations of Conformity" for the device can be found on the Internet at: "http://globalsp.ts.fujitsu.com/sites/certificates/default.aspx".

Fujitsu Technology Solutions hereby declares that your device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Electrical safety including ergonomic requirements (GS, depending on the device)

Please refer to the associated data sheet to establish whether the model variant of your device has GS certification. You can find further information on the Internet at "http://www.fujitsu.com/fts/products/computing/pc/tablets/datasheets".

Intended viewing distance	300 mm as a hand-held product. A monitor and a keyboard should be connected externally for use in an office.

CE marking

The shipped version of this device complies with the requirements of EC directives 2004/108/EC "Electromagnetic compatibility", 2006/95/EC "Low voltage directive", 2011/65/EU "RoHS directive" and 2009/125/EC "ecodesign directive" (from 20/04/2016: 2014/30/EC "Electromagnetic Compatibility" and 2014/35/EC "Low Voltage Directive").

CE marking for devices with wireless component

This equipment complies with the requirements of Directive 1999/5/EC of the European Parliament and Commission from 9 March, 1999 governing Radio and Telecommunications Equipment and mutual recognition of conformity.

CE nnnn (!) ; nnnn: For digits and exclamation mark (!), see label on the product.

You can find more information and declarations of conformity on the Internet at: "http://globalsp.ts.fujitsu.com/sites/certificates".

This equipment can be used in the following countries:

Belgium	Bulgaria	Denmark	Germany
Estonia	Finland	France	Greece
UK	Ireland	Iceland	Italy
Latvia	Liechtenstein	Lithuania	Luxembourg
Malta	Netherlands	Norway	Austria
Poland	Portugal	Rumania	Sweden
Switzerland	Slovakia	Slovenia	Spain
Czech Republic	Hungary	Cyprus	Croatia
Turkey			

Limitation in France: The use of WLAN in the 5 GHz band is not permitted outdoors.

Contact the corresponding government office in the respective country for current information on possible operating restrictions. If your country is not included in the list, then please contact the corresponding supervisory authority as to whether the use of this product is permitted in your country.

The CE conformity declaration covers accessories (e.g. mains adapters, rechargeable batteries, cable adapters) and software (e.g. module drivers, module firmware and operating system). The software used and affecting compliance is purchased by the module vendors and is under their sole control.

Radio frequencies used

	RF module	Frequency band	Max. transmission power
1	BT	2400-2480 MHz	100 mW
2	NFC	13.56 MHz	20 mW
3	WLAN	2410-2480 MHz	100 mW
4	WLAN	5150-5350 MHz class 2	200 mW
5	WLAN	5470-5725 MHz class 1	1 W
6	GSM	850 MHz, 900 MHz	2 W
7	UMTS	1900 MHz, 1800 MHz	500 mW
8	LTE	2100 MHz, 2600 MHz	500 mW
9	LTE	850 MHz, 900 MHz	2 W

Other certification markings

Any other certification markings are listed in the "Manual Appendix - Additional Certifications" supplement.

If such markings are available, you can find the supplement on the Internet at "http://support.ts.fujitsu.com/Manuals/" with the Operating Manual for your device.

Regulatory notices

If there is no FCC logo and also no FCC ID on the device then this device is not approved by the Federal Communications Commission (FCC) of the USA. Although it is not explicitly forbidden to travel in the US trading area carrying this device, to avoid trouble at customs clearance, Fujitsu Technology Solutions GmbH recommends not to bring this device into the US trading area.

Regulatory information for Tablet PCs without wireless device

NOTICE:

Changes or modifications not expressly approved by Fujitsu Technology Solutions could void this user's authority to operate the equipment.

Notice to Users of Radios and Television

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate wireless frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to wireless communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to wireless or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet that is on a different circuit than the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

Notice to Users of the US Telephone Network

Your Tablet PC may be supplied with an internal modem which complies with Part 68 of the FCC rules. On this Tablet PC is a label that contains the FCC Registration Number and the Ringer Equivalence Number (REN) for this equipment among other information. If requested, the user must provide their telephone company with the following information:

1. The telephone number to which the Tablet PC is connected.
2. The Ringer Equivalence Number (REN) for this equipment.
3. The equipment requires a standard modular jack type USOC RJ-11C which is FCC Part 68 compliant.
4. The FCC Registration Number.

This equipment is designed to be connected to the telephone network or premises wiring using a standard modular jack type USOC RJ-11C which is FCC Part 68 compliant and a line cord between the modem and the telephone network with a minimum of 26AWG.

The REN is used to determine the number of devices that you may connect to your telephone line and still have all of those devices ring when your number is called. Too many devices on one line may result in failure to ring in response to an incoming call. In most, but not all, areas the sum of the RENs of all of the devices should not exceed five (5). To be certain of the number of devices you may connect to your line, as determined by the RENs, contact your local telephone company. If this equipment causes harm to the telephone network, your telephone company may discontinue your service temporarily. If possible, they will notify you in advance. If advance notice is not practical they will notify you as soon as possible. You will also be advised of your right to file a complaint with the FCC.

This fax modem also complies with fax branding requirements per FCC Part 68.

Your telephone company will probably ask you to disconnect this equipment from the telephone network until the problem is corrected and you are sure that the equipment is not malfunctioning. This equipment may not be used on coin-operated telephones provided by your telephone company. Connection to party lines is subject to state tariffs. Contact your state's public utility commission, public service commission or corporation commission for more information.

This equipment includes automatic dialing capability. When programming and/or making test calls to emergency numbers:

- Remain on the line and briefly explain to the dispatcher the reason for the call.
- Perform such activities in off-peak hours, such as early morning or late evening.

FCC rules prohibit the use of non-hearing aid compatible telephones in the following locations or applications:

- All public or semi-public coin-operated or credit card telephones.
- Elevators, highways, tunnels (automobile, subway, railroad or pedestrian) where a person with impaired hearing might be isolated in an emergency.
- Places where telephones are specifically installed to alert emergency authorities such as fire, police or medical assistance personnel.
- Hospital rooms, residential health care facilities, convalescent homes and prisons.
- Hotel, motel or apartment lobbies.
- Stores where telephones are used by patrons to order merchandise.

- Public transportation terminals where telephones are used to call taxis or to reserve lodging or rental cars.
- In hotel and motel rooms as at least ten percent of the rooms must contain hearing aid-compatible telephones or jacks for plug-in hearing aid compatible telephones which will be provided to hearing impaired customers on request.

DOC (Industry CANADA) notices

Notice to Users of Radios and Television

This Class B digital apparatus meets all requirements of Canadian Interference-Causing Equipment Regulations.

CET appareil numérique de la class B respecte toutes les exigence du Réglement sur le matérial brouilleur du Canada.

Notice to Users of the Canadian Telephone Network

NOTICE:

This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment. Before connecting this equipment to a telephone line the user should ensure that it is permissible to connect this equipment to the local telecommunication facilities. The user should be aware that compliance with the certification standards does not prevent service degradation in some situations.

Repairs to telecommunication equipment should be made by a Canadian authorised maintenance facility. Any repairs or alterations not expressly approved by Fujitsu or any equipment failures may give the telecommunication company cause to request the user to disconnect the equipment from the telephone line.

NOTICE:

The Ringer Equivalence Number (REN) for this terminal equipment is 0.0. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

CAUTION:

For safety, users should ensure that the electrical ground of the power utility, the telephone lines and the metallic water pipes are connected together. Users should NOT attempt to make such connections themselves but should contact the appropriate electric inspection authority or electrician. This may be particularly important in rural areas.

Avis Aux Utilisateurs Du Réseau Téléphonique Canadien

AVIS : Le présent matériel est conforme aux spécifications techniques d'Industrie Canada applicables au matériel terminal. Cette conformité est confirmée par le numéro d'enregistrement. Le sigle IC, placé devant le numéro d'enregistrement, signifie que l'enregistrement s'est effectué conformément à une déclaration de conformité et indique que les spécifications techniques d'Industrie Canada ont été respectées. Il n'implique pas qu'Industrie Canada a approuvé le matériel.

Avant de connecter cet équipement à une ligne téléphonique, l'utilisateur doit vérifier s'il est permis de connecter cet équipement aux installations de télécommunications locales. L'utilisateur est averti que même la conformité aux normes de certification ne peut dans certains cas empêcher la dégradation du service.

Les réparations de l'équipement de télécommunications doivent être effectuées par un service de maintenance agréé au Canada. Toute réparation ou modification, qui n'est pas expressément approuvée par Fujitsu, ou toute défaillance de l'équipement peut entraîner la compagnie de télécommunications à exiger que l'utilisateur déconnecte l'équipement de la ligne téléphonique.

AVIS : L'indice d'équivalence de la sonnerie (IES) du présent matériel est de 0.0. L'IES assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

AVERTISSEMENT:

Pour assurer la sécurité, les utilisateurs doivent vérifier que la prise de terre du service d'électricité, les lignes télphoniques et les conduites d'eau métalliques sont connectées ensemble. Les utilisateurs NE doivent PAS tenter d'établir ces connexions eux-mêmes, mais doivent contacter les services d'inspection d'installations électriques appropriés ou un électricien. Ceci peut être particulièrement important en régions rurales.

UL Notice

This unit requires an AC adapter to operate. Only use a UL Listed Class 2 adapter. The correct output rating is indicated on the AC adapter label. Refer to the illustration below for the correct AC Adapter output polarity:

CAUTION:

To reduce the risk of fire, use only 26AWG or larger telecommunications line cord.

For Authorized Repair Technicians Only

CAUTION:

For continued protection against risk of fire, replace only with the same type and rating fuse.

WARNING:

Danger of explosion if Lithium (CMOS) battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.

Dispose of used batteries according to the manufacturer's instructions.

FCC Regulatory information for Tablet PCs with radio device

Federal Communications Commission statement

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of this device.

FCC Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the distance between the equipment and the receiver.
3. Connect the equipment to an outlet on a circuit different from the one the receiver is connected to.
4. Consult the dealer or an experienced radio/TV technician for help.

Please note the following regulatory information related to the optional radio device.

FCC Radio Frequency Exposure statement

This radio device has been evaluated under FCC Bulletin OET 65C and found compliant with the requirements as set forth in CFR 47 Sections 2.1091, 2.1093, and 15.247 (b) (4) addressing RF Exposure from radio frequency devices. The radiated output power of this radio device is far below the FCC radio frequency exposure limits. Nevertheless, this device shall be used in such a manner that the potential for human contact during normal operation is minimized. When using this device, a certain separation distance between antenna and nearby persons must be maintained to ensure RF exposure compliance. In order to comply with RF exposure limits established in the ANSI C95.1 standards, the distance between the antennas and the user should not be less than 20 cm (8 inches).

Regulatory Notes and Statements

Radio device, health and authorisation for use

Radio-frequency electromagnetic energy is emitted from the wireless devices. The energy levels of these emissions, however, are far much less than the electromagnetic energy emissions from wireless devices such as mobile phones. Radio devices are safe for use by consumers because they operate within the guidelines found in radio frequency safety standards and recommendations.

The use of the radio devices may be restricted in some situations or environments, such as:

- on board an airplane, or
- in an explosive environment, or
- in situations where the interference risk to other devices or services is perceived or identified as harmful.

In cases in which the policy regarding use of radio devices in specific environments is not clear (e.g., airports, hospitals, chemical/oil/gas industrial plants, private buildings), obtain authorization to use these devices prior to operating the equipment.

Regulatory Information/Disclaimers

Installation and use of this radio device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution or attachment of connecting cables and equipment other than those specified by the manufacturer. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. The manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failure to comply with these guidelines.

Export restrictions

This product or software contains encryption code which may not be exported or transferred from the US or Canada without an approved US Department of Commerce export license. This device complies with Part 15 of FCC Rules, as well as ICES 003 B / NMB 003 B. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesirable operation.

Modifications not expressly authorised by Fujitsu Technology Solutions may invalidate the user's right to operate this equipment.

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